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3. On the number lines above, put an X on the numbers that follow the pattern of skip counting by 3s. Which numbers have both a circle and an X? 12, 24

4. Your mom is trying to decide if she wants to make pumpkin pie or apple pie for dessert on Thanksgiving. You volunteer to ask everyone in your entire family which type of pie he or she prefers. You talk to all 23 people who are coming. If 17 of them choose apple pie and the rest choose pumpkin pie, how many people choose pumpkin pie? Show your work in the box to the right.



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23 - 17 = X

X = 6

OR 23 - 17 = 6

МАТН 4 🔘

Multiplication patterns follow similar rules to addition patterns. While multiplication is adding equal groups together to find the total amount, skip counting is a number pattern with multiples. A multiple of a number is the product of a number and an integer.

Multiplication Rules:							
Even × Even = Even							
Even × Odd = Even							
Odd × Odd = Odd							

Notice that any number multiplied by an even number will equal an even number. Multiples of 4 follow two of the multiplication rules listed above. Each multiple of 4 is an even number because 4 is an even number.

Even × Even = Even	&	Even ×	Odd =	Even
--------------------	---	--------	-------	------

Multiples of 4	Multiplication Problem	Rule		
4	.4 × 1	even × odd = even		
8	4 × 2	even × even = even		
12	4 × 3	even × odd = even		
16	4 × 4	even × even = even		
20	4 × 5	even × odd = even		
24	4 × 6	even × even = even		
28	4 × 7	even × odd = even		



Read with your parent or teacher

5. Complete the chart.

Multiples of 7	Multiplication Problem	Rule
7	7 × 1	odd × odd = odd
14	7 × 2	odd x even = even
21	7 x 3	odd × odd = odd
28	7 x 4	odd x even = even
35	7 × 5	odd x odd = odd
42	7 x 6	odd × even = even
49	7 x 7	odd x odd = odd

 Draw an array of squares for the multiplication problem 4 × 6. How many squares did you draw? <u>24</u>

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uares did you draw? <u>24</u>	



Memorizing multiplication facts is an essential part of this course. Knowing the answers to multiplication problems instantly makes many math concepts much easier to teach and to learn.

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MATH 4

You will work on memorizing Set A and Set B during this first unit. You will use the Multiplication Mastery Chart on page 395 in the back of the book to keep track of your progress. The course will tell you when to use the chart. In most lessons the course book will instruct you to work for 10 minutes or more on multiplication facts. You will be practicing Set A in this lesson. Ask your parent or teacher which resource from page 5 you will use to practice the facts.

If you already have these multiplication facts memorized, you do not need to complete the 10 minutes of multiplication facts practice, but you will still write the answers to all the problems in the "Multiplication Fact Practice" boxes in each lesson.

In addition to the facts in Set A, you will also practice the 0s, 1s, 10s, and 11s facts in the colored boxes in each review section.

♦ Multiplication Fact Practice ♦

Practice Set A for 10 minutes or more by doing Musical Multiplication or flashcards. Then

C	complet	e the prol	blems in t	this sectio	n.					
	3	1	8	5	8	9	5	4	4	1
	<u>× 3</u>	<u>× 6</u>	<u>× 4</u>	<u>× 3</u>	× 8	<u>× 10</u>	<u>× 5</u>	<u>× 6</u>	× 8	<u>× 3</u>
	9	6	32	15	64	90	25	24	32	3
	6	10	6	4	3	9	6	10	3	0
	<u>× 6</u>	× 7	× 4	<u>× ()</u>	<u>× 5</u>	× 9	<u>× 1</u>	× 9	× 4	<u>× 8</u>
	36	70	24	0	15	81	o a fa	90	12	0
							10 C 20 C 2	10 M T 20 M	145 A	

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748 + 40 + 8

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			2		Review				
I. Draw	a pair of p	erpendicular line †	e segments.	5.	Complete the a	ddition and subtr	action proble	ms.	
	•	 •			359	628	3 \$	45.95	5 \$72.6
2. Draw	a pair of h	orizontal paralle	l lines.		<u>+ 1 4 7</u> 5 0 6	<u>- 4 6 7</u> 1 6	7 <u>+ \$</u>	<u>35.44</u> 81.39	<u>+</u> <u>- \$ 4 8 . 2</u> \$ 2 4 . 4
	<	\implies		6.	Solve for the un	knowns.			
3. Whio the te	ch digit in S en millions p	98,415,201, place? <u>1</u>	325 is in	Q	+ 4 = 22 Q = 22 - 4	C - 14 = C = 9 + 14	9 J + J=	7 = 26 26 - 7	P - 5 = 16 P = 16 + 5
4. Round then thous	d each numb the nearest and. The fir	per below to the hundred, and the st one has been	nearest ten, en the nearest done for you.	Q	= <u>18</u>	C = <u>23</u>	J =		P = <u>21</u>
	TENS	HUNDREDS	THOUSANDS	₃ 7.	Yuri Gagarin w	vas the first hum	an to journey	the 1	arbit = 108 minuton
2,462 .	2,460	2,500	2,000		earth once befo	ore returning to E	arth. That or	ne f	orbits = 2 minutes
6,829	6,830	6,800			orbit took 108 n taken him to or	ninutes. How long bit the earth 6 ti	g would it ha mes? Write [.]	ve the	
37,124 . 5,555 .	5,560	5,600	6,000		multiplication p	roblem you could	use to find o	out.	108 x 6
Mu Mu	Itiplicati	on Fact Qui	z 🗹 Hav	e your pa	irent or teacher q	uiz you on the Set	A multiplicati	on facts belov	w and circle any
	5	8	2 fact	s you mis Q	ised. You will be d	oing targeted pra	ctice on these	facts for the i	next few lessons. 2
	0	0	0	0	U F	0	0	0	0
	× 3	<u>× +</u> -	<u>× 8</u> -	× 4	× ()	× 9	× 7	<u>× 0</u>	<u>× 3</u>
	15	32	64	12	25	81	24	36	9

МАТН 4 🔘



Lesson Practice

 Complete the following problems using the Number Line Hopping mental math strategy. Visualize a number line in your head, start at one number, and hop up the tens and ones.

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2. Complete the following problems using the Giving Ones mental math strategy. Give some of the ones in one number to the other to add up to the nearest ten.

 Complete the following problems using the Adding Place Values mental math strategy. Split each number into tens and ones. Add the tens, add the ones, and then add the sums.

4. Complete the following problems using the mental math strategy that is easiest for you. You might use a different strategy for each problem or the same for all three.

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Which strategy or strategies did you use? Answers may vary.



Locate a triangle in the design. If the triangle has a right angle (90°), color it BLUE. If the triangle has an obtuse angle (between 90° and 180°), color it YELLOW. If the triangle has only acute angles (less than 90°), color it **RED**. Repeat for all the triangles.

Hint: An easy way to tell the type of angle is to use the corner of a piece of paper. If the corner fits into the angle perfectly, it's a right angle; if the angle is narrower than the corner, it's an acute angle: and if it's wider, it's an obtuse angle.



straight

obtuse

right

2. What type of angle is formed by the missing slices of pizza?

acute

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 Below are the measurements for six different angles. Based on the measurement, determine which type of angle is being formed and draw a line to it. Angle names can be used more than once.





Math 4 Answer Key

























МАТН 4 🕅

Let's order these three numbers from greatest to least. All three numbers have equal digits in the hundred millions, ten millions, and millions places. When we look at the hundred thousands place, the third number has a greater digit than the other two numbers, so it is the largest number and we label it as number 1. We continue comparing the other two numbers. The first number has a greater digit in the thousands place, so it is the least and we label it as number 2. The remaining number is the least and is labeled number 3. We can then write them in order.

479,187,360	479,185,36	7 479,	287,360
Numbers	Ordered from Gr	eatest to Least	÷
$\begin{array}{c} 479,187,360 \longrightarrow 2 \\ 479,185,367 \longrightarrow 3 \\ 479,287,360 \longrightarrow 1 \end{array}$	479,287,360	479,187,360	479,185,367

Lesson Practice

I. Circle the place value that determines which number is greater. 3. Order the chart from least to greatest. The first one is done for you. POPULAR TOURIST DESTINATIONS 374,081,983 < 374,801,992 56,497,024 > 56,496,024 Palace of Versailles (Fra Millions Hundred Thousands Ten Millions Thousands Tens Millions 6,937,841 278.037.917 < 278.037.927 4,814,067 > 4,714,067 Ten Thousands Hundred Millions (Tens) Ones Millions Hundred Thousands Eiffel Tower (France) 571,684,129 > 571,684,128 98,247,364 < 99,247,364 Hundred Millions Thousands Ones Millions Hundred Thousands Ten Millions 2. Compare the two numbers and fill in the <, >, or = symbol. Great Barrier Reef (Australia) (750,374,189 < 750,392,751) (6,478,374 < 6,482,719)Palace of Versailles (France) 5,978,579 48,671,619 > 48,671,270 (294,762,311 > 294,704,997) 6,734,247 Grand Canyon (USA) 2,674,824 > 677,917 8,617,035 < 88,074,674 Cologne Cathedral (Germany 6,734,847 Eiffel Tower (France) 6,937,841 © Jenny Phillips





Since we are rounding to the nearest inch, your height will be an estimate and not an exact measurement. Do you want to get an even closer estimate to your actual height? Try measuring your hand to the nearest half inch or quarter inch and multiplying it by IO. Use a calculator if you need help.

Have your parent or teacher quiz you on the Set B multiplication facts below and circle any 🗹 Multiplication Fact Quiz 🗹 facts you missed. You will be doing targeted practice on these facts for the next few lessons 4 4 8 8 9 9 9 5 4 3 5 5 4 З 7 7 × 4 × 9 × 4 × 5 × 4 × 5 × 7 ×З × 4 × 5 × 7 × 8 × 9 × 7 × 9 × 8 ×З 45





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Your vacation starts i Arizona at the Grand	in the US state of Canyon, one of the		I. Comp	lete the pr	oblems.					
most popular tourist there you fly to Peru. 3:28 PM. What time	nost popular tourist sites in the world. From there you fly to Peru. Your flight leaves at 3-28 PM What time will you arrive?		8	0,00	0,000)	34	+6,70	2,647	
	After touring Mashu F	Diaghu uchigh in	<u>- 3</u> 4 2	<u>/8,34</u> 1,653	<u>6,91</u> ,083	_	+ 27 62	<u>/6,6/</u> 3,37	<u>1,507</u> 4,154	. , , , , + , , , , ,
1:17 PM	perched on a mountair in elevation, you board	a t 7,000 feet a plane to fly to	2. Round	l the num er. Then co	bers to mplete tl	the nea he probl	rest ten em to see	million e how clo	and esti ose the es	mate the timate is.
	Switzerland. You arriv 11:51 PM. What time o		4	6,393	3,753 066		5 <u>+ 2</u>	0,00 20,00)) () () () ()
After standing in the shadow of the mighty Matterhorn, it's time to continue on to		11:31 AM	2	0,116	, 819 , 819)) ())		70,0	00,0	00
China. Your plane take Vhat time will you a	ihina. Your plane takes off at 2:42 AM. Vhat time will you arrive?		1,35	7,875 >	1,357,69	95	37,671	, or - s	утроі. 37,678	3,374
2:28 PM is more than 2,000 ye Now you are off to Au		Wall of China, which ears old, was amazing. stralia. You arrive at	Practio Then o	Targete te any prob omplete th	ed Mul Iems you ne proble	tiplica missed ms.	ation I	Fact Pr et B quiz	actice	2 3.
	4:34 PIVI. VVhat time	did your flight leave?	7	4	9	5	5	4	3	8
After snorkeling in the Great Barrier Reef, you have a choice to make. Will the last stop on your trip be the Taj Mahal in India, the Great Pyramid of Giza in Egypt, or Victoria Falls in Zambia? You choosel Your flight leaves at 1:06 AM. What time will you arrive at your last cho?		India - 6:27 AM	<u>× 8</u> 56	× 4 16	× 5 45	× 8 40	× 4 20	× 9 36	× 7 21	× 7 56
		Zambia - 10:48 AM	9 <u>× 3</u> 27	4 <u>× 5</u> 20	7 <u>× 3</u> 21	4 <u>× 7</u> 28	3 <u>× 9</u> 27	9 <u>× 4</u> <u>36</u>	7 <u>× 4</u> 28	8 <u>× 5</u> 40











1 MATH 4













Fill in the missing start and end times for each flight. Show your work on a separate piece of paper.

Destination	Start Time	Flight Duration	End Time
Hamburg, Germany	8:31 AM	3 hours 13 minutes	11:44 AM
Vancouver, Canada	2:36 PM	7 hours 39 minutes	10:15 PM
Nairobi, Kenya	1:50 PM	2 hours 52 minutes	4:42 PM
Nong Kai, Thailand	1:47 AM	8 hours 24 minutes	10:11 AM
Buenos Aires, Argentina	5:57 PM	2 hours 42 minutes	8:39 PM
	·		

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1. Round each	number below to	the place values ind	licated.	1. Round the num	ber in red to e
	Ten Thousands	Millions	Ten Millions		347
51 487 354	51,490,000	51,000,000	50,000,000	round to the nearest	round to the ne
88,274,650	88,270,000	88,000,000	90,000,000	347 600 000	348.000.0
37,623,013	37,620,000	38,000,000	40,000,000	017,000,000	1010,000,0
15,378,634	15,380,000	15,000,000	20,000,000	2. Write the missi number at the l	ng labels on th bottom of the
2. Match each	number with its va	alue rounded to the	nearest million.	-	Mil
247,4	84,102	248	8,000,000		s
242,9	68,452	246	,000,000		Millio
245,3	5/,951	245	000,000		Milli
277,0	17.822	243	000,000		ul H
246.2	78 349	244	000,000		8 4
, _	G	<u>~</u>	,,	3. Round 37,691,4	52 to the near
 Circle the d the ten mill place. Roun 	igit in the thousand ions place. Underli d the number to th	ls place. Put a box a ne the digit in the h ne hundred millions	round the digit in undred thousands place.	4. Round 7,121,547 thousand.	7 to the neares
	347, <u>6</u>	1(2), 854		5. Write the place	value of each
					-



Write the missing labels on the place value chart. Then write this number at the bottom of the chart: 841,067,247



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Math 4 Answer Key





2,631,049 + 1,282,437





 $\left| \left| = \frac{1}{4} \right| \right|$

Shapes will vary

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2. Draw a picture to represent the mixed number $2\frac{1}{n}$

 $B = 2\frac{1}{4}$



Practice Practice Set C for 10 minutes, and then complete the problems in this section.	Answers will vary.					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	2. Draw a line segment that is three inches long.					
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3. Divide the line segment you drew into three equal sections. How long is each section?					
$\frac{\times 6}{6} \frac{\times 0}{0} \frac{\times 6}{60} \frac{\times 2}{16}$	4. Complete each multiplication problem.					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	5. Solve the logic puzzles below. (4) + (4) = 30 (4) + (4) = 21					
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	(in the second s					
7 9 6 9 ×5 × 6 × 5 × 8	💮 - 💮 = 3 🧀 + 🐗 + 🌠 = 20					
35 54 30 72	m = 10 $m = 6$ $m = 3$ $m = 7$ $m = 5$ $m = 8$					
Vhen multiplying a number b arger! For example, 2 × \$10,0	y 10,000, it becomes 10,000 times 00 is the same as 2 groups of \$10,000.	Ten Thousands	Thousands	Hundreds	Tens	Ones
--	---	--	---	--	--	--
\$10,000 + \$	10,000 = \$20,000	Solution			-	2
		2	О,	0	0	0
The same mental math stra	tegy can be applied to all of these prob	olems.				
2 × 10,000 = ?	12 × 100 = ?	47 × 1,00)) = ?	80 ×	10,000 = ?	
2 × 1 = 2	$12 \times 1 = 12$	47 × 1	= 47	80 ×	1 = 80	
2 × 10,000 = 20,0	J0 12 × 100 = 1,200	47 × 1,00	50 = 47,000	80 ×	10,000 = 80	0,000
	Consilia and a standard stand	sson Pracu	Ce		· · · · · · · · · · · · · · · · · · ·	
	The Bashir family ordered 42 hos	ats for 4 I	n the spring the	store sells a lot o	c \$10,00	
	their store. If they sell all of them	n, how A	ATVs. In the mon	ith of May, 53 we	ere	
•	\$420,000	N	May from ATVs?	\$530,000	" <i>(</i>	
2000 2	2. A family came into the store and	bought			6.00	
	sneakers for all 12 of their childre much will it cost for shoes for all	n. How 5. 7 the	The local high sch of golf clubs for t	nool ordered 21 se the golf team. Kh	ts alid	
	children? \$1,200	r	needs to send the	em a bill. How mu	ch	51000
		V	viii their total co	st be: \$21,00	0	N/2/
5100	 Khalid stocked 64 sets of snowshi the shelves in the morning. After 	oes on two 6. A	A customer purch	nased 5 surfboard	ds and 8	
	days, all the snowshoes were sold		bicycles. How	v much will the cu price for each a	ustomer pay? roup of items.	
	snowshoes?		and ther	n add the totals to	ogether.	
5	ψ0,100		\$5	0,800		
						R1000
	* * + + + + + + + + + + * * * * * *		* * * * * * * * *		+ + + + + + +	\$1,000
		Review			* * * * * * *	Stooo
L. Complete each proh	em 2. Gail is taking a	Review	ier National	4 Consie is ma	king chicken of	o Jerry Ph
I. Complete each prob 345 293	em. 2. Gail is taking a Park. The tour 1	Review bus tour of Glac eaves at 7:55 AN	ier National M and returns	 Connie is ma needs to add 	king chicken nc 2 gollons of ch	€ 1000 e Jenny Ph () MR bodle soup. She icken broth to the
I. Complete each probl 345 293 <u>× 2 × 4</u>	em. 2. Gail is taking a Park. The tour 1 at II:13 AM. Hov × 3	Review bus tour of Glac eaves at 7:55 AN v long is the tour	ier National A and returns ?	 Connie is managed to add pot. How managed to the pot add to the pot 	king chicken na 2 gallons of ch ny cups of brot tt o equal 2 ga	• Jeeny Ph • Jeeny Ph • Ma vodle soup. She icken broth to the h will she need to llons?
I. Complete each probl 345 293 $\frac{\times 2}{690}$ $\frac{\times 4}{1,172}$	em. 807 $\frac{x-3}{2,421}$ 2. Gail is taking a Park. The tour l at II:I3 AM. How	Review bus tour of Glac leaves at 7:55 AN v long is the tour	ier National M and returns ?	 Connie is managed to add pot. How managed to the potential of the potential of	king chicken nc 2 gallons of ch ny cups of brot t to equal 2 ga 32 cups	o Jenny Ph o Jenny Ph odle soup. She icken broth to the h will she need to llons?
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I. Complete each probl 345 293 $\frac{2}{690}$ $\frac{2}{1,172}$ 112 473 \times 9 \times 6	em. 807 × 3 2. Gail is taking a Park. The tour l at II:I3 AM. How 99 × 3	Review bus tour of Glac leaves at 7:55 AN v long is the tour	ier National M and returns ?	 Connie is managed to add pot. How manadd to the part of the second to the second to the part of the second to the second	king chicken nc 2 gallons of ch ny cups of brot t to equal 2 ga 32 cups to bring 8 qua	o Jerry Ph o Jerry Ph codle soup. She icken broth to the h will she need to llons?
I. Complete each probl $ \begin{array}{c} 345 & 293 \\ \times & 2 \\ \hline 690 & 1,172 \\ 112 & 473 \\ \times & 9 \\ \hline 1,008 & 2,838 \\ \end{array} $	em. 807 * 3 2,421 99 * 3 297 2. Gail is taking a Park. The tour l at II:13 AM. Hov 3 3 297	Review bus tour of Glac leaves at 7:55 AN v long is the tour	ier National A and returns ?	 4. Connie is me needs to add pot. How ma add to the pot 5. Ricky needs to the fundr How many r 	king chicken nc 2 gallons of ch ny cups of brot of to equal 2 ga 32 cups to bring 8 qua aiser. He has 2: nore cups of or	o Jerny Ph o Jerny Pho o
I. Complete each probl 345 293 $\frac{\times 2}{690} \frac{\times 4}{1,172}$ 112 473 $\frac{\times 9}{1,008} \frac{\times 6}{2,838}$	em. 807 $\frac{\times 3}{2,421}$ 99 $\frac{\times 3}{297}$ 2. Gail is taking a Park. The tour l at II:I3 AM. How 3	Review bus tour of Glac eaves at 7:55 AN v long is the tour	ier National M and returns ?	 4. Connie is managed to add pot. How managed to the pot. How managed to the pot. 5. Ricky needs to the fundr How many meed? 	king chicken nc 2 gallons of ch ny cups of brot t to equal 2 ga 32 cups to bring 8 quai aiser. He has 2i nore cups of or	o Jerry Ph o Jerry Ph o Jerry Ph icken broth to the h will she need to llons? rts of orange juice 8 cups right now. range juice does h
I. Complete each probl 345 293 $\frac{2}{690}$ $\frac{2}{1,172}$ 112 473 $\frac{2}{9}$ $\frac{4}{2}$ 1,008 2,838 270 642 2,70 642	em. 807 $\frac{\times 3}{2,421}$ 99 $\frac{\times 3}{297}$ 537 3. Circle the fract	Review bus tour of Glac leaves at 7:55 AN v long is the tour hrs 18 min	ier National A and returns ?	 4. Connie is man needs to add pot. How man add to the pot. How man add to the pot. How many r need? 	king chicken nc 2 gallons of ch ny cups of brot of to equal 2 ga 32 cups to bring 8 quai aiser. He has 2 nore cups of or 4 more cup	o Jerny Ph o Jerny Pho o
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I. Complete each probl 345 293 $\frac{\times 2}{690}$ $\frac{\times 4}{1,172}$ 112 473 $\frac{\times 9}{1,008}$ $\frac{\times 6}{2,838}$ 270 $642\frac{\times 2}{540} \frac{\times 5}{3,210}$	em. 807 $\frac{\times}{3}$ 2. Gail is toking a Park. The tour l ot II:13 AM. Hov $\frac{\times}{3}$ 297 537 $\frac{\times}{3}$,759 3. Circle the fract $\frac{5}{8}$ $\frac{3}{6}$ $\frac{12}{72}$	Review bus tour of Glac leaves at 7:55 AN v long is the tour hrs 18 min ions that are equ $\frac{2}{5}$ $\binom{8}{16}$ $\frac{1}{3}$ $\frac{1}{3}$	ier National A and returns ivalent to $\frac{1}{2}$. $\frac{7}{0}$ $\frac{4}{8}$ $\frac{6}{12}$	 4. Connie is managed is managed is add pot. How managed is add to the paraged is to the fundred how many meed? 6. 16 pints = 	king chicken na 2 gallons of ch ny cups of brot it to equal 2 ga 32 cups to bring 8 qua aiser. He has 2 more cups of or 4 more cup 8 quarts	o Jerry Ph o Jerry Pho o
I. Complete each probl 345 293 $\frac{\times 2}{690} \frac{\times 4}{1,172}$ 112 473 $\frac{\times 9}{1,008} \frac{\times 6}{2,838}$ 270 642 $\frac{\times 2}{540} \frac{\times 5}{3,210}$	em. 807 $\frac{\times 3}{2,421}$ 99 $\frac{\times 3}{297}$ 537 $\frac{\times 7}{3,759}$ 3. Circle the fract $\frac{5}{8}$ $\frac{3}{5}$ $\frac{12}{54}$	$\frac{2}{5} = \frac{8}{16} = \frac{1}{3}$	ier National M and returns? ivalent to $\frac{1}{2}$. $\frac{7}{10}$ $\frac{4}{8}$ $\frac{6}{12}$	 4. Connie is managed to add pot. How managed to the pot. How managed to the pot. How many the fundred to the fundred to the fundred? 6. I6 pints = 	king chicken na 2 gallons of ch ny cups of brot ti to equal 2 ga 32 cups to bring 8 quar aiser. He has 2i nore cups of or 4 more cup 8 quarts	o Jerry Ph o Jerry Ph icken broth to the h will she need to llons? rts of orange juice 8 cups right now. range juice does h
I. Complete each probl 345 293 $\frac{\times 2}{690}$ $\frac{\times 4}{1,172}$ 112 473 $\frac{\times 9}{1,008}$ $\frac{\times 6}{2,838}$ 270 642 $\frac{\times 2}{540}$ $\frac{\times 5}{3,210}$ ◆ Multiplication F	em. 807 $\frac{\times 3}{2,421}$ 99 $\frac{\times 3}{297}$ 537 $\frac{\times 7}{3,759}$ Circle the fract $\frac{5}{8}$ $\frac{3}{6}$ $\frac{3}{242}$ 3 3 3 3 5 3 5 3 5 3 6 1 1 1 1 1 1 1 1	$\frac{2}{5} \begin{pmatrix} 8 \\ 16 \\ 16 \\ 16 \\ 16 \\ 10 \\ 10 \\ 10 \\ 10$	ier National M and returns ivalent to $\frac{1}{2}$. $\frac{7}{10}$ $\frac{4}{8}$ $\frac{6}{12}$ then complete th	 4. Connie is maneds to add pot. How man add to the pot. How many the man add to the fundred? 6. I6 pints = 	king chicken na 2 gallons of ch ny cups of brot ot to equal 2 ga 32 cups to bring 8 quar aiser. He has 2 more cups of or 4 more cup 8 quarts	stooo o Jerry Ph o Jerry Ph
I. Complete each probl 345 293 $\frac{\times 2}{690} \frac{\times 4}{1,172}$ 112 473 $\frac{\times 9}{1,008} \frac{\times 6}{2,838}$ 270 642 $\frac{\times 2}{540} \frac{\times 5}{3,210}$ ♦ Multiplication F	em. 807 $\frac{\times 3}{2,421}$ 99 $\frac{\times 3}{2,97}$ 537 $\frac{\times 7}{3,759}$ Circle the fract $\frac{5}{8}$ $\frac{(2)}{5}$ $\frac{(2)}{24}$ Circle Set C for problems in this	Review bus tour of Glac leaves at 7:55 AN v long is the tour hrs 18 min ions that are equ $\frac{2}{5} \left(\frac{8}{16} \frac{1}{3} \frac{1}{13} \frac{1}{$	ier National d and returns ? ivalent to $\frac{1}{2}$. $\frac{7}{10}$ $\frac{4}{8}$ $\frac{6}{12}$ then complete th	 4. Connie is managed to add pot. How managed to the pot. How managed to the fundr How many r need? 6. I6 pints = 	king chicken na 2 gallons of ch ny cups of brot th to equal 2 ga 32 cups to bring 8 quar aiser. He has 22 more cups of or 4 more cup 8 quarts	o Jerry Ph o Jerry Ph icken broth to the h will she need to llons? rts of orange juice & cups right now. range juice does h
I. Complete each prob 345 293 $\frac{2}{690}$ $\frac{4}{1,172}$ 112 473 $\frac{2}{690}$ $\frac{6}{1,172}$ 112 473 $\frac{2}{1,008}$ 2,838 270 642 $\frac{2}{2}$ $\frac{5}{540}$ 3,210 Multiplication F 9 9 8 \times 8 \times 6 \times 3	em. 807 $\frac{\times 3}{2,421}$ 99 $\frac{\times 3}{297}$ 537 $\frac{\times 7}{3,759}$ Circle the fract $\frac{5}{8}$ $\frac{3}{6}$ $\frac{3}{6}$ $\frac{12}{24}$ \frac	Review bus tour of Glac eaves at 7:55 AN v long is the tour hrs 18 min ions that are equ $\frac{2}{5}$ $\frac{8}{16}$ $\frac{1}{3}$ $\frac{1}{13}$ r 10 minutes, and section. 8 6 < 5 × 8 × 8	ier National M and returns? ivalent to $\frac{1}{2}$. $\frac{7}{0}$ $\frac{4}{8}$ $\frac{6}{12}$ then complete th 6 $53 \times 7 \times$	 4. Connie is managed is needs to add pot. How man add to the pot. How many r need? 6. I6 pints = 8 	king chicken na 2 gallons of ch ny cups of brot ot to equal 2 ga 32 cups to bring 8 qua aiser. He has 2 nore cups of or 4 more cup 8 quarts	store o Jenny Ph o Jenny Ph icken broth to the h will she need to llons? rts of orange juice does ho cos
I. Complete each probl 345 293 $\frac{\times 2}{690} \frac{\times 4}{1,172}$ 112 473 $\frac{\times 9}{690} \frac{\times 6}{1,172}$ 112 473 $\frac{\times 9}{1,008} \frac{\times 6}{2,838}$ 270 642 $\frac{\times 2}{540} \frac{\times 5}{3,210}$ \Rightarrow Multiplication F $\frac{9 9 8}{54} \frac{\times 6}{54} \frac{\times 3}{24}$	em. 807 $\frac{\times 3}{2,421}$ 99 $\frac{\times 3}{2,97}$ 537 $\frac{\times 7}{3,759}$ Circle the fract $\frac{5}{8}$ $\frac{3}{6}$ $\frac{12}{24}$ - Circle The fract $\frac{5}{8}$ $\frac{3}{6}$ $\frac{12}{24}$ - Circle Set C for problems in this $\frac{7}{49}$ $\frac{7}{49}$ $\frac{7}{42}$ $\frac{9}{42}$ $\frac{\times 4}{36}$ $\frac{1}{49}$	Review bus tour of Glac leaves at 7:55 AN v long is the tour hrs 18 min ions that are equ $\frac{2}{5} \left(\frac{8}{16} \frac{1}{3} \frac{1}{13} \frac{1}{$	ier National M and returns? ivalent to $\frac{1}{2}$. $\frac{7}{10}$ $\frac{4}{8}$ $\frac{6}{12}$ then complete th $\frac{5}{318}$ $\frac{\times 7}{35}$ $\frac{\times}{7}$	 4. Connie is managed for the paraged for the fundred for the fundred for the fundred for the paraged for the paraged	king chicken na 2 gallons of ch ny cups of brot t to equal 2 ga 32 cups to bring 8 quar aiser. He has 2/ more cups of or 4 more cup 8 quarts	o Jamy Ph code soup. She icken broth to the h will she need to llons? rts of orange juice 8 cups right now. range juice does ho DS
I. Complete each probl 345 293 $\frac{\times 2}{690}$ $\frac{\times 4}{1.172}$ 112 473 $\frac{\times 9}{1.008}$ $\frac{\times 6}{2.838}$ 270 $642\frac{\times 2}{540} \frac{\times 5}{3.210}\Rightarrow Multiplication H9$ 9 8 $\frac{\times 8}{72}$ $\frac{\times 6}{54}$ $\frac{\times 3}{24}$ 6 7 3	em. 807 $\frac{\times 3}{2,421}$ 99 $\frac{\times 3}{297}$ 537 $\frac{\times 7}{3,759}$ Circle the fract $\frac{5}{8}$ $\frac{(3)}{6}$ $\frac{(2)}{74}$ Circle Set C for problems in this $\frac{7}{63}$ $\frac{7}{49}$ $\frac{\times 7}{42}$ $\frac{\times 6}{42}$ $\frac{\times 4}{36}$ $\frac{\times}{4}$ 8 6 9 5	Review bus tour of Glac leaves at 7:55 AN v long is the tour hrs 18 min ions that are equ $\frac{2}{5}$ $\frac{8}{16}$ $\frac{1}{3}$ $\frac{1}{13}$ section. $\frac{8}{5}$ $\frac{6}{48}$ $\frac{x}{8}$ $\frac{x}{8}$	ier National M and returns? ivalent to $\frac{1}{2}$. $\frac{7}{0}$ $\frac{4}{8}$ $\frac{6}{12}$ then complete th $\frac{6}{3}$ $\frac{5}{35}$ $\frac{\times}{7}$ $\frac{3}{3}$ $\frac{6}{5}$	 4. Connie is managed in the provided to the provided to the provided to the provided to the fundred how many red? 6. I6 pints =	king chicken nc 2 gallons of ch ny cups of brot t to equal 2 ga 32 cups to bring 8 quai aiser. He has 2 nore cups of or 4 more cup 8 quarts	store o Jenny Ph o Jenny Ph icken broth to the h will she need to llons? rts of orange juice 8 cups right now. range juice does ho DS
I. Complete each probl 345 293 $\frac{\times 2}{690}$ $\frac{\times 4}{1,172}$ 112 473 $\frac{\times 9}{1,008}$ $\frac{\times 6}{2,838}$ 270 $642\frac{\times 2}{540} \frac{\times 5}{3,210}\Rightarrow Multiplication F9$ 9 8 $\frac{\times 8}{72}$ $\frac{\times 6}{54}$ $\frac{\times 3}{24}$ 6 7 3 $\frac{\times 5}{30}$ $\frac{\times 5}{25}$ $\frac{\times 6}{10}$	em. 807 $\frac{\times 3}{2,421}$ 99 $\frac{\times 3}{2,97}$ 537 $\frac{\times 7}{3,759}$ Circle the fract $\frac{5}{8}$ $\frac{3}{6}$ $\frac{3}{6}$ $\frac{12}{24}$ Circle the fract $\frac{5}{8}$ $\frac{3}{6}$ $\frac{12}{24}$ Circle the fract $\frac{5}{8}$ $\frac{3}{6}$ $\frac{12}{24}$ Circle the fract $\frac{5}{8}$ $\frac{3}{6}$ $\frac{12}{24}$ Circle the fract $\frac{5}{8}$ $\frac{3}{6}$ $\frac{12}{24}$ Circle the fract $\frac{5}{8}$ $\frac{3}{6}$ $\frac{12}{24}$ Circle the fract $\frac{5}{8}$ $\frac{3}{6}$ $\frac{12}{24}$ Circle the fract $\frac{5}{8}$ $\frac{3}{6}$ $\frac{12}{24}$ $\frac{12}{$	Review bus tour of Glac leaves at 7:55 AN v long is the tour hrs 18 min ions that are equ $\frac{2}{5} \left(\frac{3}{16}\right) \frac{1}{3} \frac{1}{11}$ r 10 minutes, and section. 8 6 $\frac{\times 5}{40} \frac{\times 8}{48} \frac{\times}{48}$ $\frac{3}{11} \frac{\times 2}{12} \frac{\times 2}{20} \frac{\times}{40}$	ier National M and returns? ivalent to $\frac{1}{2}$. $\frac{7}{10}$ $\frac{4}{8}$ $\frac{6}{12}$ then complete th $\frac{6}{12}$ then complete th $\frac{5}{318}$ $\frac{\times 7}{35}$ $\frac{\times}{7}$ $\frac{3}{18}$ $\frac{6}{54}$ $\frac{\times}{7}$	 4. Connie is managed for the second pot. How managed to the pot. How managed to the fundred How many meed? 6. I6 pints = 8. 9/72 5. 6/20 	king chicken no 2 gallons of ch ny cups of brot t to equal 2 ga 32 cups to bring 8 quar aiser. He has 2 more cups of or 4 more cup 8 quarts	o Jamy Ph o Jamy Ph icken broth to the h will she need to llons? rts of orange juice 8 cups right now. range juice does ho DS



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Similar-Congruent Ranch	For each description below, write the answer on the line. Name one rectangle that is congruent to door R. Name two windows that are similar to B.	
Similar-Congruent Ranch	Name one rectangle that is congruent to door R. Name two windows that are similar to B.	
Ranch	Name two windows that are similar to B.	
Ranch		<u>E, G, N, and S</u>
	Name one triangle congruent to triangle I.	D
ITOTITALI	Which two triangles on the barn door are congruent?	<u>Y</u> Z
	Name a circle that is congruent to J.	P
	How many shapes are congruent to D?	3
	Name two triangles similar to L.	F, M, or A
*	Are C and T congruent?	yes
E AL	Name two rectangles that are similar to V.	UO
	Which rectangle is congruent to window S?	E
at the sector of	Name two triangles that are similar to H.	Y, K, or Z
all and a set	How many animals are congruent? What are they?	4 pigs
A B CONTRACT	Which rectangle is congruent to X?	V
212 20 14	Are V and U congruent?	no
HE CONTRACTOR	How many shapes are similar to Q?	3
HE FOR SE	Optional Coloring Extension: Answ	ers will vary.
	Color triangles similar to triangle D brown. An exar Color labeled rectangles black. Color any rectangles not labeled red. Color all similar circles green. Color triangles similar to triangles A and H black. Color remaining shapes any color you want.	nple is shown.



15

5

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8



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Tar Boten Mult	iplication 🎢	are in units. Write all perimeter measurements in units and all area measurements in sq units.
b Fact Prac	ctice 💣 🏹	What is the perimeter of the African Savanna exhibit?
Practice any problems y in your Set C quiz in Les	you missed sson 34. Then	What is the area of the Polar Bears exhibit? 30 sq units
complete the problems	in this section.	Which exhibit has a larger area: the Monkeys or Kangaroos? Kangaroos
28 ×6×9×	6 0 9 × 7	Which exhibit has a larger perimeter: the Entrance or Gift Shop?
30 72 5	<u>-</u> <u>-</u>	Which two exhibits have the exact same area? Kangaroos Elephants
8 7	3 8	What is the perimeter of the Lions exhibit?
<u>×6 ×9 ×</u>	<u>6 × 3</u>	What is the area of the Lions exhibit? 20 sq units
48 63 1	18 24 🧖	Which has a larger perimeter: the Entrance or Carousel?
1 7 1	0 8 1	What is the area of the African Savanna exhibit?
$\frac{\times 6}{6}$ $\frac{\times 0}{0}$ $\frac{\times}{6}$	$\frac{6}{0} + \frac{2}{16}$	How much laraer is the area of the Lions exhibit than the Bird House?
6 3	q 4	Which exhibit has a larger perimeter: the Kanagroos or Palar Bears?
×4 ×3 ×	5 × 4	What is the perimeter of the entire zoo?
24 9 4	5 16	
9 7	6 7	Create your own zoo: Follow the instructions to create your own zoo on the blank grid.
$\frac{\times 7}{10}$ $\frac{\times 6}{10}$ $\frac{\times}{10}$	$\frac{7}{10} \times \frac{7}{10}$	Add an ENTRANCE to your zoo. It can be located on any side and should be at least 8 sq units.
03 42 4	12 49	Add 6 animal exhibits of different sizes and colors. Label them with the name of the animal.
36	4 6 N	Don't forget a Gift Shop, a Snack Bar, and any other buildings you might like.
24 18 -	4 48 V	Which exhibit in your zoo has the largest perimeter?
7 9	6 9	What is the area of the smallest animal exhibit in your zoo?
<u>×5 ×6 ×</u>	<u>5 ×8</u>	Choose an exhibit and find the area and perimeter
35 54 3	0 72	Do any of your exhibits have the exact same area?
* * * * * * * * * * *		0 Jenny
Real R	we'ra	e going to the ZOO server
	WE'RI	BOING LO LHE ZOO
Kanagroos	WE'RI	E GOING LO L'HE ZOO
Kangaroos	WE'RI	Tonkeys
Kangaroos		BOING LO LHE ZOO
Kangaroos		In the second se
Kangaroos	WE'RN Gift Shop	Tonkeys Lions Lions
Kangaroos	WE'RI Gift Gift Shop	Tonkeys Lions
Kangaroos	WE'RI Gift Shop	Conkeys
	WE'RI Gift Shop Guse	Tonkeys Lions Polar Bears
	WE'RN Gift Gift Shop Gift Corousel	Interest of the the top of the to
	WE'RI Gift Gift Gift Gift Gift Shop Gird Ouse Carousel	Tonkeys Double and the polar Bears Polar Bears Double and the polar
Kangaroos Rangaroos H B B B B C C C C C C C C C C C C C C C	WE'RI Gift Shop Bird Ouse Carousel	Answers will vory.
Kangaroos Kangaroos H H H H H H H H H H H H H H H H H H	WE'RI Gift Gift Shop Gird Guse Carousel Gift Guse Guse Gift Guse Gus Gus Gus Gus Gus Gus Gus Gus	African

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Robert

🗇 МАТН 4















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MATH 4

8

× 4

6

× 9

54

8

× 5

40

9

× 4

36

5

6

<u>× 6</u>

× 6

5

9

6







		Review		♦ I	Iultiplic Pra	ation I ctice	Fact 💠
 List the first seven r 25, 50, 75, 100, 	nultiples of 25. 125, 150, 175			Practi more or fla:	ce Set D for by doing <i>M</i> shcards. The	10 minute usical Mul en complet	es or I <i>tiplication</i> te the
2. Find the factor pairs	of each number, and then lis	st the factors. The	first one has been done t	for you.		ection.	
10	6	22	16 1 × 16	1 × 6	2 8 5 <u>× 12</u> 96	12 <u>× 6</u> 72	3 <u>× 3</u> 9
1 × 10 2 × 5 , 2, 5, 10	1 × 6 2 × 3 1, 2, 3, 6	1 × 22 2 × 11 1, 2, 11, 22	2 × 8 4 × 4 1, 2, 4, 8, 16	1 × 3	$\begin{array}{ccc} 2 & 11 \\ \frac{3}{6} & \frac{\times 12}{132} \end{array}$	12 <u>× 4</u> <u>48</u>	7 <u>× 3</u> 21
(Please) Excuse ²	3. Complete each problem if you need more room. $4^2 + (3 \times 3) = 25$	using the order of 5	operations. Use scratch × (14 - 8) - 2 = 2	paper 1 22 9	$\begin{array}{ccc} 2 & 6 \\ \frac{8}{6} & \frac{\times 12}{72} \end{array}$	12 <u>× 7</u> 84	4 <u>× 4</u> 16
My * Dear + Aunt + Sally-) 23 - (15 ÷ 3) =	= 18 3 ²	+ 8 - (2 × 2) = 1	3 <u>× 1</u> 14	2 3 2 <u>× 12</u> 4 <u>36</u>	6 <u>× 4</u> 24	3 <u>* 6</u> 18
4. Complete each pr	oblem.	5	1. Divide ÷ 2. Multiply x	<u>× 1</u> 4	H 12 2 × 11 8 132	9 <u>× 12</u> 108	7 <u>× 7</u> <u>49</u>
12 3 3/36 2/62	81 <u>21</u> 1 2 4/84 5/5	$\frac{1}{5}$	3. Subtract 4. Bring Down↓	$\frac{1}{\times 10}$	2 7 9 <u>× 12</u> 8 84	5 <u>* 12</u> 60	6 <u>* 3</u> 18
			\sim	10	8 84	60	18





Math 4 Answer Key





















			Less	on Pr	actice		K		
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

PRIME OF COMPOSITE

Remember, a prime number can only be divided evenly by itself and one. Follow the directions below to color each **prime number blue** and each composite number green on the hundred chart.

- I. The number 1 is neither prime nor composite. Color it yellow.
- The number 2 is a prime number. Color it blue. Two is the only even prime number. Every other even number is composite. Color the other even numbers on the chart green.
- The number 3 is a prime number. Color it blue. Every other multiple of 3 is a composite number. Skip count by 3s, coloring each multiple of 3 green if it's not already colored.
- 4. The number 5 is a prime number. Color it blue. Every other multiple of 5 is a composite number. Color them green. (Multiples of 5 end in 5 or 0.)
- The number 7 is a prime number. Color it blue. Every other multiple of 7 is a composite number. Skip count by 7s, coloring each multiple of 7 green if it's not already colored.
- Every remaining number is a prime number. Color them blue. There should be 25 prime numbers on the chart.

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2. List the composite numbers you found above in order from least to greatest. Then ircle all the odd composite numbers listed below. 4 9 10 12 15 18 25 30 48 65 74 80 100 Targeted Multiplication Fact Practice 12 4 12 7 8 9 12 12 12 12 12 12 12 12 12 $\frac{3}{36} \frac{\times 8}{32} \frac{\times 8}{96} \frac{\times 3}{21} \frac{\times 6}{48} \frac{\times 9}{81} \frac{\times 4}{48} \frac{\times 11}{8132} \frac{\times 6}{72} \frac{\times 12}{144} \frac{\times 5}{60} \frac{\times 7}{84} \frac{\times 9}{108} \frac{\times 12}{12} \frac{\times 5}{12} \frac{\times 7}{12} \frac{\times 12}{12} \frac{\times 12}{12} \frac{\times 12}{12} \frac{\times 12}{72} \frac{\times 12}{144} \frac{\times 11}{60} \frac{\times 12}{84} \frac{\times 12}{9} \frac{\times 12}{9} \frac{\times 12}{50} \frac{\times 12}{72} \frac{\times 12}{144} \frac{\times 12}{72} \frac{\times 12}{72} \frac{\times 12}{144} \frac{\times 12}{72} \frac{\times 12}{7$	()	2 II 19 3 65 (2	80 17 18 100	10 5 25 9 (9)	31 74 4		73 3/219 4. Ralph rock o black fracti black	51 7/357 and Ernesto collection. Tod rocks and 6 sl on of their ro rocks?	are collecting ay at the pa hiny multicol ck collection	g rocks for a rk, they found 4 lored rocks. Wh is made up of
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2. List the c circle all t 4 9 Target	ed Multiplicact Practice	ers you found at te numbers list (15) 18.(cation of F e	pove in order from ad below. 25.30.48 rractice any proble ection.	n least to grea	test. Then <u>80</u> , <u>100</u> in your Set D	quiz in Lesso	n 49. Then con	IU	oblems in this
The missing factor on each butterfly for the number	12 <u>* 3</u> 36 9 <u>* 12</u> 108	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccc} 2 & 7 \\ 3 & \times 3 \\ 5 & 21 \\ 1 & 3 \\ 2 & \times 3 \\ 9 \\ \end{array}$	$\begin{array}{c} 8 \\ \underline{\times 6} \\ 48 \\ 5 \\ \underline{\times 12} \\ 60 \\ \end{array} \xrightarrow{\times} 3 \end{array}$	$ \begin{array}{rcrr} 9 & 12 \\ \underline{9} & \underline{\times} & \underline{4} \\ \overline{31} & 48 \\ 5 & 4 \\ \underline{7} & \underline{\times} & \underline{12} \\ \overline{35} & 48 \\ \end{array} $	12 <u>× 11</u> 132 7 <u>× 12</u> 84	12 <u>× 6</u> 72 2 <u>× 12</u> 24	12 <u>× 12</u> 144 6 <u>× 7</u> <u>+ 7</u> <u>+ 2</u>	12 <u>* 5</u> <u>*</u> 60 3 <u>* 12</u> <u>*</u> 36	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
	H 4 ∅)	* * * * * * * *			* * * * * * * 70	ind the mi	ssing fact	tor on each	butterfly	o for the nun

172

×

10 ×

8

2 ×

5 ×

6

3

× 14

6 × _7



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Fact Practice	 Shade each picture to represent the improper fraction, and then fill in the missing information. 	OR addition and subtraction in the same problem, complete them going from
Practice any problems you missed in your Set D quiz in Lesson 49. Then complete the problems in this section.		left to right.
6 11 6 7 9 ×10 × 8 ×12 ×1 ×9	$\frac{14}{6} = 1 + 1 + \frac{2}{6} = \frac{2}{6}$	 Complete each problem using the order of operations. Use scratch paper if you need more room.
60 88 72 7 81		$3^2 - (2 \times 4) = 1$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		21 ÷ 3 - (15 ÷ 3) = 2
12 12 8 12 5	8 3 3	12 - (15 - 9) + 2 = 8
$\frac{\times 7}{84} \frac{\times 5}{60} \frac{\times 12}{96} \frac{\times 6}{72} \frac{\times 8}{40}$	$\frac{-}{5} = 1 + \frac{-}{5} = 1 = 5$	$27 \div 3^2 \times 2 = 6$
8 4 12 9 8	2. Write a fraction equivalent to $\frac{1}{3}$ on each	4. Add or subtract the fractions.
$\frac{\times 4}{32} + \frac{\times 12}{48} + \frac{\times 11}{132} + \frac{\times 12}{108} + \frac{\times 6}{48}$	DUTTETTIY. Hint: You can create equivalent fractions by multiplying the numerator and denominator by the same	4 + 5 = 9
3 12 11 12 5	number.	7 7 7
<u>×8 × 3 × 12 × 4 × 6</u>	Answers will vary. Serve	6 3 3
24 36 132 48 30	possible C	$\frac{10}{10} - \frac{10}{10} = \frac{10}{10}$
3 12 3 8 6 ×9 ×12 ×12 ×3 ×9	shown.	1 3 4
27 144 36 24 54	$\frac{12}{18} \qquad \frac{14}{21} \qquad \frac{10}{24}$	-++



<u>× 12</u>

<u>× 12</u>

24

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<u>× 12</u>

36

6

<u>× 12</u>

48

× 12

× 12

84

× 12

24

× 12

60

<u>× 12</u>

96



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Math 4 Answer Key







$$42 - 6^2 + (4 \times 7) = 34$$

Additional Practice

Write the phrase used to help remember the order of operations.

PLEASE EXCUSE MY
DEAR AUNT SALLY.
Complete each problem using the order of operations. Use
scratch paper if you need more room.

$$(28 + 7) \div 5 + 11 = 18$$

 $16 - 4^2 + (6 \times 8) = 48$
 $24 + (16 - 8) \times 2 = 40$

19

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Math 4 Answer Key

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МАТН 4 🗇



🗇 МАТН 4



A (LESSONS 42 & 54)		Additional Practice
List the next six multiples of each number below.	On the hundred	1 2 3 4 5 6 7 8 9 1
	chart to the right, do the following:	11 12 13 14 15 16 17 18 19
(12), (24), (36), (48), (60), (72), (84)	Calan all the	21 22 23 <mark>24</mark> 25 26 27 28 29 <mark>3</mark>
A 16/ A 32/ A 48/ A	multiples of	31 32 33 34 35 36 37 38 39 🛪
	6 yellow.	41 42 43 44 45 46 47 48 49 5
25 50 75 100 125 150 175	Circle all the	51 52 53 <mark>54</mark> 55 56 57 58 59 <mark>8</mark>
		61 62 63 64 65 <mark>66</mark> 67 68 69 7
Write all the factors for each number below.	multiples of 20.	71 72 73 74 75 76 77 78 79 8
(16) (9) (24)	1	81 82 83 84 85 86 87 88 89 9
1 2 4 8 16 1 3 9 1 2 3 4 6 8 12 24		91 92 93 94 95 96 97 98 99 🕅
	Find the missing fac	tors; use long division if necessary.
	32	(72) (40)
Find the missing factors; use long division if necessary.	2 × <u>16</u>	3 × <u>24</u> 5 × <u>8</u>
48 96 60	4 × <u>8</u>	6 × <u>12</u> 10 × <u>4</u>
2 × <u>24</u> 1 × <u>96</u> 2 × <u>30</u>	List all the factors o	F 18 from least to greatest.
4 × <u>12</u> 3 × <u>32</u> 5 × <u>12</u>	1, 2, 3,	6, 9, 18
0 (1(10 (\sim	

Math 4 Answer Key




















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is the most s ateral that is equal sides) right angles) a squa	pecific no s both a r and a rec ? re	ame of a thombus stangle	6. 82 <	12 A Circle e rallelogra Trapezoid Rectangle Rhombus Square	(12 12) each type ♪ Pa ♪ F > F] { e of quadr rallelogram (rapezoid) Rectangle Rhombus Square	ilateral th Racal Racal Rec Rhc Sq	18 at applies. elogram bezoid tangle mbus yare	9. F i t	158, + 22, 180, Pablo is IH s half of f hree time and Luca? Ella 2 Luca	354 <u>351</u> 705 Pablo's a s Luca's 21 years 7 years	160, <u>+ 20,</u> 180, d. His bro ge. His si age. How s old s old	yther Luca ster Ella is v old are Ella
7	11	4	7	9	11	6	8	5	6	3	6	9	8
<u>× 8</u> .	× 4	× 9	<u>× 12</u>	× 7	× 12	× 7	<u>× 12</u>	× 9	× 12	× 8	× 9	× 12	× 9
	is the most s ateral that is equal sides) right angles) a squar 7 $\times \frac{8}{56}$	is the most specific n ateral that is both a re equal sides) and a re right angles)? a square $\frac{7 11}{\frac{\times 8}{56} \frac{\times 4}{44}}$	is the most specific name of a ateral that is both a rhombus equal sides) and a rectangle right angles)? a square $7 11 4$ $\frac{\times 8}{56} \frac{\times 4}{44} \frac{\times 9}{36}$	6. is the most specific name of a ateral that is both a rhombus equal sides) and a rectangle right angles)? a square 7 11 4 7 $\times 8 \times 4 \times 9 \times 12$ 56 44 36 84	6. Circle a is the most specific name of a ateral that is both a rhombus equal sides) and a rectangle right angles)? a square 7 11 4 7 9 $\times 8 \times 4 \times 9 \times 12 \times 7$ 56 44 36 84 63	6. Circle each type is the most specific name of a ateral that is both a rhombus equal sides) and a rectangle right angles)? a square 7 11 4 7 9 11 $\frac{\times 8}{56} \frac{\times 4}{44} \frac{\times 9}{36} \frac{\times 12}{84} \frac{\times 7}{63} \frac{\times 12}{132}$	6. Circle each type of quadra is the most specific name of a ateral that is both a rhombus equal sides) and a rectangle right angles)? a square 7 11 4 7 9 11 6 $\times 8 \times 4 \times 9 \times 12 \times 7 \times 12 \times 7$ 56 44 36 84 63 132 42	6. Circle each type of quadrilateral the is the most specific name of a ateral that is both a rhombus equal sides) and a rectangle right angles)? a square 7 11 4 7 9 11 6 8 $\times 8 \times 4 \times 9 \times 12 \times 7 \times 12 \times 7 \times 12 \times 7 \times 12 \times 96$	6. Circle each type of quadrilateral that applies. is the most specific name of a ateral that is both a rhombus equal sides) and a rectangle right angles)? a square 7 11 4 7 9 11 6 8 5 x 8 x 4 x 9 x 12 x 7 x 12 x 7 x 12 x 9 56 44 36 84 63 132 42 96 45	6. Circle each type of quadrilateral that applies. is the most specific name of a ateral that is both a rhombus equal sides) and a rectangle right angles)? a square 7 11 4 7 9 11 6 8 5 6 $\times \frac{8}{56} \times \frac{4}{44} \times \frac{9}{36} \times \frac{12}{84} \times \frac{7}{63} \times \frac{12}{132} \times \frac{7}{42} \times \frac{7}{96} \times \frac{12}{45} \times \frac{9}{72}$	6. Circle each type of quadrilateral that applies. is the most specific name of a ateral that is both a rhombus equal sides) and a rectangle right angles)? 7 11 4 7 9 11 6 8 5 6 3 $\times 8 \times 4 \times 9 \times 12 \times 7 \times 12 \times 7 \times 12 \times 9 \times 12 \times 8 \\ 56 44 36 84 63 132 42 96 45 72 24 \\ \hline \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	6. Circle each type of quadrilateral that applies. is the most specific name of a ateral that is both a rhombus equal sides) and a rectangle right angles)? a square 7 11 4 7 9 11 6 8 5 6 3 6 $\frac{\times 8}{56}$ $\frac{\times 44}{44}$ $\frac{\times 9}{36}$ $\frac{\times 12}{84}$ $\frac{\times 7}{63}$ $\frac{\times 12}{132}$ $\frac{\times 7}{42}$ $\frac{\times 12}{96}$ $\frac{\times 7}{45}$ $\frac{\times 12}{72}$ $\frac{\times 8}{24}$ $\frac{\times 9}{54}$	6. Circle each type of quadrilateral that applies. is the most specific name of a ateral that is both a rhombus equal sides) and a rectangle right angles)? 7 11 4 7 9 11 6 8 5 6 3 6 9 × 8 × 4 × 9 × 12 × 7 × 12 × 7 × 12 × 9 × 12 56 444 36 84 63 132 42 96 45 72 24 54 108

Math 4 Answer Key







Need help?

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question.

The name of this animal can be found on the tangram pieces. Look at each quotient and use the letter in the circle on that piece to fill in the blanks below. The first letter of the animal's name is already given.

the name of the animal on the line provided under the











	OPT your	IONAL: T time whe	ime yourse n you com	elf to see l plete the n	how long tl nastery pa	his page to ge again, l	akes you to ater in thi	o complete is unit.	. Try to be	eat	Ç	ce.	J
11	5	6	12	7	9	6	3	7	12	8	5	7	11
× 12 32	× 4 20	<u>× 8</u> 48	× 4 48	× 8 56	<u>× 4</u> 36	× 12 72	<u>× 8</u> 24	× 5 35	× 9 108	× 9 72	<u>·× 6</u> / 30	<u>× 12</u> 84	<u>× 4</u> 44
7 <u>× 7</u>	9 <u>× 12</u>	8 <u>× 5</u> 40	6 <u>× 3</u>	12 <u>× 3</u> 36	12 <u>× 12</u>	4 × 9	5 × 5 25	7 <u>× 6</u> <u></u> 42	4 <u>× 8</u> 32	8 <u>× 12</u> 96	9 <u>× 8</u> 72	12 <u>× 2</u> 24	4 <u>× 4</u>
5 <u>× 8</u> 40	9 × 5 45	7 <u>× 3</u> 2	12 <u>× 5</u> 60	6 <u>× 7</u> <u>42</u>	12 <u>× 11</u> 32	9 <u>× 3</u> 27	3 <u>× 6</u> 8	8 <u>× 8</u> <u>64</u>	5 × 7 35	3 <u>× 12</u> <u>36</u>	9 <u>× 6</u> 54	3 <u>× 5</u> 15	7 <u>× 9</u> <u>63</u>
5 <u>× 3</u> 15	× 4 32	9 × 9 81	12 <u>× 6</u> 72	3 <u>× 4</u> 12	12 <u>× 7</u> <mark>84</mark>	6 <u>× 4</u> 24	4 <u>× 5</u> 20	7 <u>× 4</u> 28	12 <u>× 8</u> <mark>96</mark>	4 <u>× 3</u> 12	6 <u>× 5</u> <u>30</u>	9 <u>× 7</u> 63	5 <u>× 12</u> 60
3 <u>× 3</u> 9	4 <u>× 6</u> 24	6 <u>× 6</u> <u>36</u>	4 <u>× 12</u> <u>48</u>	3 <u>× 7</u> 21	6 <u>× 9</u> 54	4 <u>× 7</u> 28	8 <u>× 6</u> <u>48</u>	$10 \times \frac{7}{70}$	5 × 9 45	3 <u>× 0</u>	6 <u>× 11</u> 66	2 <u>× 12</u> 24	3 × 9 27



	Review
I. Find the volume of each object.	 Add the fractions by creating fractions with common denominators.
2 in I2 in I2 in	$\frac{36}{348} + \frac{1}{8} = \frac{7}{8} \qquad \frac{4}{15} + \frac{36}{36} = \frac{14}{15} \qquad \frac{3}{10} + \frac{3}{20} = \frac{8}{10} \qquad \frac{3}{9} + \frac{3}{39} = \frac{6}{9}$
45 cubic in 48 cubic in	4. Reduce each fraction to its simplest form.
7 ft	$\frac{20}{30} \frac{2}{3} \frac{16}{24} \frac{2}{3} \frac{9}{18} \frac{1}{2} \frac{14}{35} \frac{2}{5} \frac{15}{20} \frac{3}{4}$
ft 5 ft	5. Complete each problem. Use scratch paper if necessary.
<u>105</u> cubic ft <u>60</u> cubic in	395 127 231 232 7 J2,765 3 J381 8 J1,848 4 J928
2. Complete each conversion.	
$(4 \text{ L} = \underline{4,000} \text{ mL})$ $(6 \text{ c} = \underline{3}$	B_pt) (3 gal = <u>12</u> qt
2 ad = 8 at = 16 pt = 32 c	21,000 mL = 21 L
(18 L = <u>18,000</u> mL) (8 pt =)	<u>4</u> qt) (16 qt = <u>4</u> gal)
(18 L = <u>18,000</u> mL) (8 pt =	4 qt 16 qt = _4 gal 234 234 0 Jerry P Lesson Practice I. Fill in the missing decimal place values. MILLIONS THOUSANDS ONES 2 2 2
18 L = <u>18,000</u> mL 8 pt = H 4 S	$\frac{4}{4} \text{ qt} (16 \text{ qt} = 4 \text{ gal})$ $16 \text{ qt} = 4 \text{ gal}$ $16 \text{ qt} = 4 \text{ gal}$ 0 Jerry P $16 \text{ qt} = 4 \text{ gal}$ 0 Jerry P $16 \text{ qt} = 4 \text{ gal}$ 0 Jerry P $10 \text{ lt} \text$
18 L = <u>18,000</u> mL 8 pt = H4 9 WATH MATH Use the clues and the number below to fill in the correct ans use the numbers above the cold to answer the question at the law I have a 3 in the tenths place. 6 1 5 9	$\frac{4}{4} \text{ qt} (16 \text{ qt} = 4 \text{ gal})$ $16 \text{ qt} = 4 \text{ gal}$ $16 \text{ qt} = 4 \text{ gal}$ $16 \text{ qt} = 4 \text{ gal}$ 0 lenge 0 lenge $16 \text{ qt} = 4 \text{ gal}$ 0 lenge 0 lenge $16 \text{ qt} = 4 \text{ gal}$ 0 lenge 0 lenge $16 \text{ qt} = 4 \text{ gal}$ 0 lenge 0 lenge $16 \text{ qt} = 4 \text{ gal}$ 0 lenge 0 lenge 0 lenge 0 lenge $16 \text{ qt} = 4 \text{ gal}$ 0 lenge 0 lenge 0 lenge $16 \text{ qt} = 4 \text{ gal}$ 0 lenge $0 leng$
18 L = <u>18,000</u> mL 8 pt = H4 9 Image: Second sec	$\frac{4}{4} \text{ qt} (16 \text{ qt} = 4 \text{ gal})$ $16 \text{ qt} = 4 \text{ gal}$ $16 \text{ qt} =$
18 L = <u>18,000</u> mL 8 pt = <u>8 pt =</u> H4 9 INTERNATION MYSTERN Use the clues and the number below to fill in the correct ans use the numbers above the cold to answer the question at the l I have a 3 in the tenths place. <u>6 1 . 3 7</u> I have a 3 in the thousandths place. <u>5 . 8 4 1</u> I have a 3 in the hundredths place. <u>8 . 3 3 4</u> I have a 8 in the tenths place. <u>7 1 . 8 3</u>	$\begin{array}{c} \underline{\textbf{H}} \\ \underline{\textbf{H}} \\$
18 L = <u>18,000</u> mL 8 pt = <u>18</u>	$\begin{array}{c} \underline{\textbf{H}} \\ \underline{\textbf{H}} \\$
18 L = <u>18,000</u> mL 8 pt = <u>8 pt</u> 18 L = <u>18,000</u> mL 8 pt = <u>1</u>	$\begin{array}{c} \underline{\textbf{4}} \ \textbf{qt} \end{array} \begin{pmatrix} 16 \ \textbf{qt} = \underline{\textbf{4}} \ \textbf{gal} \end{pmatrix} \\ \hline 16 \ \textbf{qt} = \underline{\textbf{4}} \ \textbf{gal} \end{pmatrix} \\ \hline \textbf{234} \\ \hline \textbf{0} \ \textbf{lesson Practice} \\ \hline \textbf{Lesson Practice} \\ \hline \textbf{Lesson Practice} \\ \hline \textbf{Lsson Practice} \\ \hline \textbf{starset for the missing decimal place values.} \\ \hline \textbf{Llions} \\ \hline \textbf{wers. Then ored lines bottom.} \\ \hline \textbf{1} \hline \textbf{1} \\ \hline \textbf{1} \hline \textbf{1} \\ \hline \textbf{1} \hline \textbf{1} \hline \textbf{1} \\ \hline \textbf{1} \hline \textbf{1} \\ \hline \textbf{1} \hline 1$
18 L = <u>18,000</u> mL 8 pt =	$\begin{array}{c} \underline{\textbf{H}} \textbf{qt} \end{array} (16 \textbf{qt} = \underline{\textbf{q}} \textbf{qd} \\ \hline 16 \textbf{qt} = \underline{\textbf{qd}} \textbf{qd} \\ \hline \textbf{l6 qt} = \underline{\textbf{l6 qt}} \textbf{qd} \\ \hline \textbf{l6 qt} \\ \hline \textbf{l6 qt} \textbf{qd} \\ \hline \textbf{l6 qt} \\ \hline \textbf{l6 qt} \\ \hline \textbf{l6 qt} \textbf{qd} \\ \hline \textbf{l6 qt} \\ \hline l6$
18 L = <u>18,000</u> mL 8 pt = <u>8 pt =</u> 18 L = <u>18,000</u> mL 8 pt = <u>18,000 mL 8 pt = <u>18,000 mL</u> 8 pt = <u></u></u>	$\frac{4}{4} \text{ qt} \begin{pmatrix} 16 \text{ qt} = \underline{4} \text{ gal} \\ 16 \text{ qt} = \underline{4} \text{ gal} \\ 16 \text{ qt} = \underline{4} \text{ gal} \\ 10 \text{ lesson Practice} \\ 1 \text{ Lesson Practice} \\ 1 \text{ Lesson Practice} \\ 1 \text{ Is fill in the missing decimal place values.} \\ 1 \text{ Is fill in the missing decimal place values.} \\ 1 \text{ Is fill in the missing decimal place values.} \\ 1 \text{ Is fill in the missing decimal place values.} \\ 1 \text{ Is fill in the missing decimal place values.} \\ 1 \text{ Is fill in the missing decimal place values.} \\ 2 \text{ Follow the instructions to write the number below.} \\ 2 \text{ Follow the instructions to write the number below.} \\ 3 \text{ Write a 7 in the hundredths place.} \\ 4 \text{ Write a 3 in the thousandths place.} \\ 6 \text{ Write a 1 in the ones place.} \\ 1 \text{ Write a 1 in the tens place.} \\ 1 \text{ Write a 1 in the tens place.} \\ 2 \text{ Is the thundreds place.} \\ 2 \text{ Is follow the instruction number that has a 4 in the tenths place.} \\ 4 \text{ Write a 2 in the hundreds place.} \\ 2 \text{ Is the tenths place.} \\ 4 \text{ Write a 2 in the hundreds place.} \\ 2 \text{ Is the tenths place.} \\ 4 \text{ Write a 2 in the hundreds place.} \\ 3 \text{ Circle every decimal number that has a 4 in the tenths place.} \\ 4 \text{ Circle every decimal number that has a 7 in the hundredths place.} \\ 4 \text{ Circle every decimal number that has a 7 in the hundredths place.} \\ 72 \text{ Si} (727) (1237) (12374) (0574) 1.7 (0574) \\ 1 \text{ Circle every decimal number that has a 7 in the hundredths place.} \\ 72 \text{ Si} (727) (1237) (12374) (0574) 1.7 (0574) \\ 1 \text{ Circle every decimal number that has a 7 in the hundredths place.} \\ 72 \text{ Si} (727) (1237) (12374) (0574) 1.7 (0574) \\ 1 \text{ Circle every decimal number that has a 7 in the hundredths place.} \\ 1 \text{ Circle every decimal number that has a 7 in the hundredths place.} \\ 1 \text{ Circle every decimal number that has a 7 in the hundredths place.} \\ 1 \text{ Circle every decimal number that has a 7 in the hundredths place.} \\ 1 \text{ Circle every decimal number that has a 7 in the hundredths place.} \\ 1 Circle every decimal number that has a 7 in the hundredth$
18 L = <u>18,000</u> mL 8 pt = <u>8 pt</u> = <u>8 pt</u> = <u>18,000</u> MYSTERI Net the clues and the number below to fill in the correct anso use the numbers above the cold to answer the question at the I I have a 3 in the tenths place. <u>6</u> <u>1</u> <u>3</u> <u>7</u> I have a 3 in the tenths place. <u>5</u> <u>8</u> <u>4</u> <u>1</u> I have a 3 in the tenths place. <u>5</u> <u>8</u> <u>4</u> <u>1</u> I have a 3 in the tenths place. <u>8</u> <u>3</u> <u>3</u> <u>4</u> I have a 3 in the tenths place. <u>8</u> <u>3</u> <u>3</u> <u>4</u> I have a 1 in the thousandths place. <u>8</u> <u>3</u> <u>3</u> <u>4</u> I have a 1 in the thousandths place. <u>8</u> <u>3</u> <u>3</u> <u>4</u> I have a 1 in the thousandths place. <u>8</u> <u>3</u> <u>3</u> <u>4</u> I have a 1 in the thousandths place. <u>1</u> <u>3</u> <u>0</u> 1.308 <u>6137</u> <u>5841</u> <u>82.41</u> <u>71.83</u> <u>8.334</u> How many times on average does a hummingbird beat its wings in one minute? <u>3</u> <u>1</u> <u>7</u> <u>1</u> <u>0</u> <u>4</u>	$\begin{array}{c} \underline{4} \ \text{qt} \end{array} \begin{pmatrix} 16 \ \text{qt} = \underline{4} \ \text{gal} \\ \hline \end{array} \\ \hline \\ \underline{4} \ \text{qt} \end{pmatrix} \begin{pmatrix} 16 \ \text{qt} = \underline{4} \ \text{gal} \\ \hline \end{array} \\ \hline \\ \underline{7} \ \text{qt} \\ \hline \\ \underline{7} \ \ \underline{7} \ \ \underline{7} \ \ \underline{7} $





- Color the octagons purple. What type of angles make up the octagons in the elephant: acute, obtuse, or right? obtuse
- Color the rest of the polygons yellow. What do you call a polygon with 5 sides? pentagon
- The elephant's tail is a triangle made up of three angles. What types of angles are they?
 obtuse, acute, and acute (in any order)
- Find the triangle with the star. Is it a right, acute, or obtuse triangle? obtuse

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	ida io your paroni	or reaction.			
32.5 7.86 14.247 0.2	123.14 0.54	4.7 0.674	<u> </u>	1 00 0.04	100 0.22
2. Circle the correct word form f	for each decimal nu	umber.	3	9	4
4.05	72.9		1,000 0.003	10	10
a) four and five tenths a) s b) four and five hundredths b) s c) four and five thousandths c) s	eventy-two and nin eventy-two and nin eventy-two and nin	ne hundredths ne tentho ne thousandths	4 <u>3</u> 100 0.43	364 1,000 0.364	587 1,000 0.587
13.169	9		5. Write each decime	al number using digits.	
a) thirteen and one six nine thousandths			a) four and three	tenths 4.3	
c) one three and one hundred s	sixty-nine thousand	dths	b) twenty-two an	d thirty-seven hundred	ths 22.37
3. Complete the chart.			c) six and one hur	ndred eighteen thousan	dths 6.118
seven and nine-tenths	$7\frac{9}{10}$	7.9	d) eighty-three hu	undredths 0.83	
fifty-seven and three hundredths	$57 \frac{3}{100}$	57.03			
three hundred seven and eleven thousandths	307 <u>11</u>	307.011			



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Math 4 Answer Key

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🗇 MATH 4 Review 7 4 × 9 6. Find the volume of each solid using the formula Volume = ×З I. Write each number using digits. Length × Width × Height. Label your answer in cubic units. A) seven and two tenths 3 8 B) one hundred and twelve thousandths 100.012 × 8 × 12 4 in 2 ft 24 96 C) two and seven hundredths 12 ft 5 7 D) nine tenths 0.9 Volume = 64 cubic in Volume = 96 cubic ft × 5 × 9 25 63 7. Find the perimeter and area of the irregular shape. 2. Write each number with Roman numerals. 12 6 \sim × 7 ×З 28 - XXVIII See the A = <u>5</u> cm 84 |2 - XII ide on pag 394. в **B** = <u>5</u> cm З 5 50 - L Perimeter = <u>28</u> cm 3 cm × 4 × 5 Area = <u>33</u> __ sq_cm ŝ 3. Max's pie has a diameter of 24 cm. What is the 8 cm radius of the pie? 5 6 × 3 × 9 8. Estimate the answer by rounding both numbers to 4. Which decimal number below has a 4 in the the nearest ten thousand. Complete the original 18 45 thousandths place? Circle it. problem to see how close your estimation was. 9 7 25.421 25.241 25.21 × 4 × 12 235.791 240,000 108 28 126.137 5. Write each perfect square. 8 <u>× 12</u> <u>× 9</u> 109,654 $4^2 = 16$ $6^2 = 36$ $8^2 = 64$ $7^2 = 49$ $2^2 = 4$ $5^2 = 25$ 249 © Jenny Phillips



7	4	Re	view
<u>× 7</u> 40	<u>× 6</u> 24	I. Write each fraction as a decimal number.	4. Write the number for each Roman numeral.
4 × 12	27 7 × 9	$\frac{1}{10}$ O.I $\frac{24}{100}$ O.24	LXII - 62 XL - 40 XXIX - 29 IV - 4
48 6	63 3	$\frac{674}{1000}$ 0.674 $\frac{7}{10}$ 0.7	 Write the place value of the underlined digit in each number using the word bank below.
<u>× 8</u> 48	<u>× 5</u> 15	6 44	287.6 <u>9</u> 4 2 <u>3</u> .758 0.01 <u>7</u> hundredths ones thousandths
6	4	0.06 <u>1,000</u> 0.044	4. <u>3</u> 71 <u>2</u> 34.862 8.34 <u>7</u>
<u>× 9</u> 54	32	2. Each shape below has been rotated. Label each rotation with the direction and degree of the	tenths <u>hundreds</u> thousandths (hundreds, ones, tenths, hundredths, thousandths)
11 <u>× 12</u> 132	5 <u>× 4</u> 20	turn.	6. Circle every shape that can be classified as a parallelogram (a quadrilateral with two pairs of parallel sides).
5 <u>× 9</u>	9 <u>× 12</u>		
45	108	270 counterclockwise 270 clockwise	7. Reduce each fraction to its simplest form.
8 <u>× 9</u>	6 <u>× 5</u>	3. Find the missing factors. Then circle all the factors that are prime numbers.	$\underline{8} \underline{1} \underline{9} \underline{1} \underline{15} \underline{5} \underline{18} \underline{3}$
72	30	96 78 75	24 3 81 9 18 6 30 5
× 12	<u>× 4</u>	4 × <u>24</u> (3)× <u>26</u> (5)× <u>15</u>	8. Write the multiples of 4 from 20 to 48.
36	40	8 × <u>12</u> (2)× <u>39</u> (3)× <u>25</u>	20, <u>24</u> , <u>28</u> , <u>32</u> , <u>36</u> , <u>40</u> , <u>44</u> , <mark>48</mark>

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	OP	FIONAL:	Time_yours	elf to see	how long	this page t	akes you. ⁻	Try to bea	it your pre	evious	2		Z
	time	e from Les	son /l.								(lee	e e
7	9	8	6	12	12	4	5	7	4	8	9	12	4
<u>× 7</u> 49	× <u>12</u> 108	<u>× 5</u> 40	<u>× 3</u> 18	<u>× 3</u> 36	<u>× 12</u> 144	× 9 36	<u>× 5</u> 25	<u>× 6</u> 42	× 8 32	<u>×12</u> 96	<u>× 8</u> 72	<u>× 2</u> 24	× 4 16
11	5	6	12	7	9	6	3	7	12	8	5	- 7	11
<u>× 12</u>	<u>× 4</u>	<u>× 8</u>	<u>× 4</u>	× 8	× 4	<u>× 12</u>	× 8	<u>× 5</u>	<u>× 9</u>	× 9	<u>× 6</u>	<u>× 12</u>	<u>× 4</u>
132	20	48	48	56	36	72	24	35	108	72	30	84	44
3	4	6	4	3	6	4	8	10	5	3	6	2	3
<u>× 3</u> 9	<u>× 6</u> 24	<u>× 6</u> 36	<u>× 12</u> 48	× / 21	<u>× 9</u> 54	× / 28	<u>× 6</u> 48	× / 70	<u>× 9</u> 45	× () 0	× 11 66	<u>× 12</u> 24	<u>× 9</u> 27
5	8	9	12	3	12	6	4	7	12	4	6	9	5
<u>× 3</u>	× 4	× 9	<u>× 6</u>	<u>× 4</u>	<u>× 7</u>	× 4	× 5	<u>× 4</u>	× 8	<u>× 3</u>	× 5	<u>× 7</u>	<u>× 12</u>
15	32	81	72	12	84	24	20	28	96	12	30	63	60
5	9	7	12	6	12	9	3	8	5	3	9	3	7
× 8	× 5	×З	× 5	× 7	× 11	× 3	× 6	× 8	× 7	× 12	× 6	× 5	× 9





Math 4 Answer Key





. Write the rule next to eac	h pattern.	KUL • KUL	L'une KULL!
25, 50, 75, 100, 125	Rule: <u>add 25</u>	For each pattern, roll a dice to find the rule line, and then continue the pattern.	for the pattern. Write the number you rolled on the rule
I, 3, 9, 27, 8I, 2H3	Rule: <u>multiply by 3</u>	For example, if you roll a 4, then the rule for the operation for each rule.	or the first pattern would be add 4. Pay attention to $igoplus$
32, 27, 22, 17, 12, 7	Rule: <u>subtract 5</u>	Rule: add	39, Answers will vary.
43, 54, 65, 76, 87, 98	Rule:add 11	Rule: subtract	94,,,,,
120, 110, 100, 90, 80	Rule: <u>subtract 10</u>	 Rule: subtract 	55,,,,,,
1, 2, 4, 8, 16, 32, 64	Rule: multiply by 2	Rule: multiply by	2,,,,,
2. Fill in each pattern accord	ing to the given rule.	Rule: add	I8,,,,,
Rule: add 14 3, 17,	<u>31</u> , 45, <u>59</u> , <u>73</u>	Rule: subtract	103,,,,,
Rule: subtract 8 79, _	7 <u>1</u> , <u>63</u> , 55, <u>47</u> , 39	Rule: add	31,,,,,
Rule: multiply by IO 2, 20,	<u>200</u> , 2,000, <u>20,000</u>	Rule: multiply by	l ●
Rule: add 9 214, 2	23, <u>232, 241</u> , <u>250</u> , ₂₅₉	Rule: subtract	62,,,,,,
Rule: multiply by 2 10, 2	<u>0</u> , 40, <u>80</u> , <u>160</u> , 320	 Rule: add 	9,,,,,

Math 4 Answer Key







Math 4 Answer Key

		Review		
• Continue each p	attern.			050
79, 75, 71, 67	, <u>63 , 54 , 55 , 51</u>	2, 14, 26, <u>38</u> , <u>50</u> , <u>62</u> , <u>7</u>	_, <u>86</u> 50, 200, 350, <u>500</u> , <u>660</u> , <u>800</u> ,	450
2. Complete each c	conversion.			
19 yd = <u></u> 5/	ft 65 km = <u>65</u>	$\frac{0,000}{m}$ m $\frac{8 \text{ mi}}{1000} = \frac{42,240}{1000}$ ft	$6 \text{ ft} = \frac{72}{10 \text{ cm}} = \frac{100}{10 \text{ cm}}$	m
3. Label each quad	rilateral or solid with its m	nost specific name.		
	\bigcirc			
trapezoid py	yramid cylinder	parallelogramrectanglecor	e square cube trapezoid	
4. Complete each	problem.	6. Wri	te each number with Roman numerals.	
3 5	2 J687	45 R2 8 J362 100	C 19 XIX 119 CXIX	×
		500	D 75 LXXV 575 DLXX	×V
5. Write each pe	rfect square.	7. Corr	plete each problem.	
$5^2 = 25$ 2^2	² = 4 8 ² = 64	$4^2 = 16$ $9^2 = 81$ [3 =	< 200 = 2,600 30 × 8,000 = 240	0,00
6 9	8 3 7	7 12 9 9	4 6 12 12 8	6
$\frac{\times 7}{112}$ $\frac{\times 7}{100}$	$\frac{\times 12}{0}$ $\frac{\times 3}{0}$ $\frac{\times 3}{21}$	$\frac{\times 7}{10} \frac{\times 9}{108} \frac{\times 8}{72} \frac{\times 4}{20}$	$\frac{\times 5}{20} \xrightarrow{\times 3} \frac{\times 3}{20} \xrightarrow{\times 6} \frac{\times 3}{20} \xrightarrow{\times} 0$	4
72 03	40 4 ZI	44 108 72 36	20 18 36 72 24 2	.7
httlps		277		* * *
• •		Lesson Practice		* * *
I. Complete eacl	h problem.	27 Lesson Practice Office 2. Rewrite each problem vertice	Ily and complete it.	\$ m
1. Complete eacl 49.39 + 7.88	h problem. 223.07 + 53.20	27 Lesson Practice C. Rewrite each problem vertice 133.04 + 87.369	Ily and complete it. 9.12 + 164.027	* * * *
1. Complete eacl 49.39 + 7.88 57.27	h problem. 223.07 + 53.20 276.27	27 Lesson Practice C. Rewrite each problem vertice 133.04 + 87.369 220.409	Ily and complete it. 9.12 + 164.027 173.147	
1. Complete eacl 49.39 + 7.88 57.27	h problem. 223.07 + 53.20 276.27	27 Lesson Practice C. Rewrite each problem vertice 133.04 + 87.369 220.409	Ily and complete it. 9.12 + 164.027 173.147	
428.17 - 37.99	h problem. 223.07 <u>+ 53.20</u> 276.27 73.497 <u>-12.510</u> <u>-12.510</u>	227 Lesson Practice C. Rewrite each problem vertice 133.04 + 87.369 220.409 95.04 - 0.327 94 713	Ily and complete it. 9.12 + 164.027 173.147 458.993 - 64.2 294 792	
428.17 - 37.99 390.18	h problem. 223.07 <u>+ 53.20</u> 276.27 73.497 <u>-12.510</u> 60.987	227 Lesson Practice C. Rewrite each problem vertice 133.04 + 87.369 220.409 95.04 - 0.327 94.713	Hy and complete it. 9.12 + 164.027 173.147 458.993 - 64.2 394.793	
49.39 + 7.88 57.27 428.17 - 37.99 390.18	h problem. 223.07 + 53.20 276.27 73.497 -12.510 60.987	27 Lesson Practice C. Rewrite each problem vertice 133.04 + 87.369 220.409 95.04 - 0.327 94.713	Ily and complete it. 9.12 + 164.027 I73.I47 458.993 - 64.2 394.793	
4 4 4 4 4 I. Complete eacl 49.39 + 7.88 57.27 428.17 - 37.99 390.18 3. Meri has \$33 bag of peach How much m	h problem. $\frac{223.07}{276.27}$ $\frac{73.497}{-12.510}$ $\frac{60.987}{60.987}$	27 Lesson Practice Lesson Practice C. Rewrite each problem vertice 133.04 + 87.369 220.409 95.04 - 0.327 94.713 rs market. She buys a fresh bread for \$7.96. \$18.47	All and complete it. 9.12 + 164.027 173.147 458.993 - 64.2 394.793 selling homemode candles at the farmers market. I he made \$88.20, and in the afternoon he made \$150 ach more money does he need to make to have \$150 \$23.16	© n In the 38.64 0?
4 4 4 4 1. Complete eacl 49.39 + 7.88 57.27 428.17 - 37.99 390.18 3 3. Meri has \$33 bag of peach How much m 5. Jocelyn is in 8.39 lb, and t	h problem. 223.07 + 53.20 276.27 73.497 -12.510 60.987 275 to spend at the farmenes for \$11.52 and a loaf of noney does she have left? charge of weighing fruit of the third batch weighed 18.	27 Lesson Practice Lesson Practice C. Rewrite each problem vertice 133.04 + 87.369 220.409 95.04 - 0.327 94.713 rs market. She buys a fresh bread for \$7.96. \$18.47 at her family's stand. The first batch of 7 lb. How much did the tomatoes weigh	elling homemade candles at the farmers market. I ghe made \$88.20, and in the afternoon he made \$ uch more money does he need to make to have \$150 \$23.16 tomatoes weighed 25.034 lb, the second batch we in total?	S H In the 38.64 0?

	Review	
I. Write the measurements of the radius and diameter $radius = 18 \text{ ft}$	of each circle.	6. Find the perimeter and area. Hint: Divide this shape into three smaller rectangles.
36 ft diameter = 36 ft diameter = 22 ft	mm 52 m diamete	52 m 20 mm
2. Write each decimal number using digits.		/ mm 6 mm
a) thirty-two and one hundred twenty-five thousand	ths 32.125	5 mm 3 mm
b) eighty-seven hundredths	0.87	Perimeter = <u>80</u> mm
 Convert each improper fraction to a mixed number. 	ć	Area = <u>197</u> sq.mm
$\frac{17}{6}$ $2\frac{5}{6}$ $\frac{31}{3}$ $10\frac{1}{3}$ $\frac{11}{4}$ $2\frac{3}{4}$	$\frac{9}{2}$ $4\frac{1}{2}$ $\underbrace{4}_{\text{Guide o}}$	he more pares 7. How many inches are in a foot? 12 inches 8. How many feet are in a yard? 3 feet
4. Write the rule for each pattern, and then continue th	e pattern.	9. How many inches are in a yard? 36 inches
84, 73, 62, 51, <u>40</u> , <u>29</u> , <u>18</u> Rule: <u></u>	ubtract II	10. How many feet are in a mile? 5,280 feet
 Complete each problem. Use scratch paper if needed 		II. How many millimeters are in a centimeter? 10 millimeters
4 √5.725 7 √158 27	31 32	 How many commerces are in a meter? 100 centimeters How many millimeters are in a meter? 1,000 millimeters
× 23 621	× 01 × 25 1,891 800	14. How many meters are in a kilometer? 1,000 meters

$\begin{array}{cccc} 6 & 4 \\ \times 4 & \times 5 \\ 24 & 20 \\ 9 & 3 \\ \times 3 & \times 6 \\ 27 & 18 \\ 4 & 8 \\ \times 7 & \times 6 \\ 28 & 48 \\ 4 & 5 \\ \end{array}$	7 <u>× 4</u> 28 <u>× 8</u> <u>× 8</u> 64	12 <u>× 8</u> 96 5 <u>× 7</u>	4 <u>× 3</u> 12 3	6 × 5 30	9 <u>× 7</u> 63	5 <u>× 12</u> 60
$\begin{array}{c} 6 & 4 \\ \underline{\times 4} & \underline{\times 5} \\ 24 & 20 \end{array}$ $\begin{array}{c} 9 & 3 \\ \underline{\times 3} & \underline{\times 6} \\ 27 & 18 \end{array}$ $\begin{array}{c} 4 & 8 \\ \underline{\times 7} & \underline{\times 6} \\ 48 \end{array}$ $\begin{array}{c} 4 & 8 \\ \underline{\times 7} & \underline{\times 6} \\ 48 \end{array}$ $\begin{array}{c} 4 & 5 \end{array}$	7 <u>× 4</u> 28 8 <u>× 8</u> 64	12 × 8 96 5 × 7	4 <u>× 3</u> 12 3	6 <u>× 5</u> <u>30</u>	9 <u>× 7</u> 63	5 <u>× 12</u> 60
$\begin{array}{c c} \times 4 & \times 5 \\ \hline 24 & 20 \\ 9 & 3 \\ \hline \times 3 & \times 6 \\ \hline 27 & 18 \\ 4 & 8 \\ \hline 4 & 8 \\ \hline 4 & 7 & \times 6 \\ \hline 28 & 48 \\ \hline 4 & 5 \\ \end{array}$	× 4 28 × 8 64	× 8 96 5 × 7	<u>× 3</u> 12 3	<u>× 5</u> <u>30</u>	<u>× 7</u> 63	<u>× 12</u> 60
$\begin{array}{c}9 \\ \times 3 \\ 27 \\ 4 \\ 8 \\ \times 7 \\ 28 \\ 4 \\ 4 \\ 4 \\ 4 \\ 5 \end{array}$	8 <u>× 8</u> <u>64</u>	5 <u>× 7</u>	3			
$\begin{array}{c c} \times 3 \\ \hline 27 \\ \hline 8 \\ \hline 4 \\ \times 7 \\ \hline 28 \\ \hline 4 \\ \hline 4 \\ \hline 4 \\ \hline 5 \\ \hline \end{array}$	<u>× 8</u> 64	<u>× 7</u>		9	3	7
$\begin{array}{c} 4 \\ \times 7 \\ 28 \\ 4 \\ 4 \\ 5 \end{array}$	го	25	× 12 24	<u>× 6</u>	× 5	× 9
$\begin{array}{c} 4 \\ \times 7 \\ \hline 28 \\ 4 \\ 5 \end{array}$		30	50	ЪТ	10	03
<u>× 7</u> <u>× 6</u> 28 48 4 5	10	5	3	6	2	3
4 5	× 7 70	<u>× 9</u> 45	× () ()	× 11 66	× 12 24	× 9 27
	7	4	8	9	12	4
× 9 36 × 5 25	<u>× 6</u> <u>42</u>	× 8 32	<u>× 12</u> 96	× 8 72	× 2 24	× 4 6
6 2		10	0	5	7	11
0 3	7		0		× 10	× 4
× 9 36	5 × 5 25	$5 7$ $\times 5$ $25 42$	$5 7 4$ $\times 5 \times 6 \times 8$ $25 42 32$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$



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FIR	IH.	4	UU	

R	EVIEW	picture on the next page. S to Problem 2, and then dro red have been done for you	Start at the red number I. D aw a line to the answer to F u; simply find that number o	Problem Problem	line to the answer m 3. The numbers i dot-to-dot.
I . 1	2. 400 × 20 = 8,000	3. 12 × 300 = 3,600	4. 60 × 50 = 3,000	5.	5
6. _{IV} - 4	7. _{XXVII} - 27	8. CX - 110	9. _{LI} - 51	10.	10
II. <u>127</u> 2 J254	12. <u>183 R</u> 3 4 J 735	13. 71 5 /355	14. <u>21 Ri</u> 8 J169	15.	15
16. 6 × 4 = 2 4	I7. 8 × 7 = 56	18. 6 × 9 = 54	19. 5 × 12 = 60	20.	20
21. $\frac{1}{3} + \frac{4}{21} = \frac{11}{21}$	$\frac{22.}{\frac{7}{8}} - \frac{1}{2} = \frac{3}{\frac{3}{8}}$	23. $\frac{9}{20} + \frac{1}{5} = \frac{13}{20}$	$\frac{24}{6} - \frac{7}{24} = \frac{9}{24}$	25.	25
26. 31.745 - 9.6 = 22.145	27. 4.57 - 0.004 = 4.566	28. 61.9 - 4.78 = 57.12	29. 8.32 - 1.5 = 6.82	30.	30
3I. 3 × 7 = 21	32. 9 × 7 = 63	33. 12 × 4 = 48	34. 6 × 6 = 36	35.	35
36. 34 yd = <u>102</u> ft	37. $_{6 \text{ ft}} = \underline{72}_{10}$ in	38. 30 mm = <u>3</u> cm	39. 600 cm = <u>6</u> m	40.	40
41. 23 × 14 = 322	42. 45 × 19 = 855	43. 27, 23, 19, 15, <u> </u>	44. 7, 14, 21, <u>28</u>	45.	45
46. Radius = 13 cm. Diameter = 26 cm	47. Radius = 32 ft Diameter = 64 ft	48. Radius = <u>70</u> in Diameter = <u>140</u> in	49. Radius = <u>42</u> m Diameter = 84 m	50.	50

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+ + + + + • Jenny Phillips



UNIT ASSESSMENT	MULTIPLICATION (LESSONS 61, 84 & 86)				
Parent/Teacher Parent/Teacher Read the following information aloud to the child: Unit assessments give you practice with the mathematical concepts learned in this course without having you overpractice concepts that you have mastered. These assessments also give you	Complete the multiplication problems. 8,000 × 400 = 3,200,000 60 × 900 = 54,000 50 × 2,000 = 100,000 70 × 30 = 2,100				
 practice working on exercises for an extended period of time. This helps you to extend focus and attention span and to be better prepared for any type of testing you will have to do in the future. There are no videos for Lessons 89–90. Here are some tips. First, make sure to read the instructions carefully. Sometimes you can get answers wrong simply because you did not understand the instructions. Second, do not rush 	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				
 through exercises you think you already know. Instead, make sure to do your work carefully. Finally, if you feel you are having trouble focusing, take a quick break to do something else, like ten jumping jacks. Excl asson 89 complete all the exercises with PLIPPLE beaders 					
 ONLY. Your parent or teacher will correct the work. If you make one or more mistakes in a section, your parent or teacher will check the orange "Additional Practice" checkbox for that section. 	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
For Lesson 90, review any mini lessons or videos about topics you missed, and then complete all the orange sections that are checked. All the principles will be reviewed again in Unit 4. If you have only a few or no orange sections to practice, you may move on to the next unit.	3,000 × 80 = 240,000 60 × 50 = 3,000				





Math 4 Answer Key



МАТН 4 🕅



Math 4 Answer Key

Les	sson Practice
I. What number is the arrow pointing to?	-> Guess WHO
-5 O 2. What number is the arrow pointing to? -8	5 Each child created a pattern. Use the clues and write the name of each child next to the pattern he or she created. Then continue the pattern by filling in the blanks.
 -IO 3. What number is the arrow pointing to? -10 	Darius' pattern increases by 5s. Seth's pattern decreases by 2s. Nala's pattern increases by 3s. Rita's pattern increases by 2s. Eli's pattern decreases by 5s. Bella's pattern decreases by 3s.
	Name: <u>Eli</u> 15, 10, 5, 0, <u>-5</u> , <u>-10</u> , <u>-15</u>
-25 0	25 Name: <u>Nala</u> -12, -9, -6, <u>-3</u> , <u>0</u> , <u>3</u>
Use the number line below to answer the following que	stions. Name: <u>Seth</u> 2, 0, -2, -4, <u>-6</u> , <u>-8</u> , <u>-10</u>
-IO -5 O 5	10 Name: <u>Bella</u> 6, 3, 0, -3, <u>-6</u> , <u>-9</u> , <u>-12</u>
 4. What number is six less than zero? -6 5. What number is eight more than zero? ⁸ 	Name: <u>Darius</u> -20, -15, -10, <u>-5</u> , <u>0</u> , <u>5</u>
6. What number is ten less than five? -5	Name: <u>Rita</u> -6, -4, -2, <u>0</u> , <u>2</u> , <u>4</u>
Jenny Phillips	225
Jenny Phillips	Review
I. Complete the problems, and then round the answers to the nearest million.	225 Review 5. Use the clues to determine the mystery number.
I. Complete the problems, and then round the answers to the nearest million. 200,000,000 278,660,459	200 Review 5. Use the clues to determine the mystery number. 16 14 12 39 30 37 30 36
Jerry Phillps ITH 4 (2) I. Complete the problems, and then round the answers to the nearest million. 200,000,000 278,660,459 - 25,274,902 + 348,901,447 174,725,098 + 348,901,447	Seview 5. Use the clues to determine the mystery number. 16. 14. 12. 32. 39. 17. 3. 26 8. I am not the number to the left of 12. I am not the number to the right of 62. I am a two-digit number. I am an even number. I am greater than 16. Added together, my digits equal 8. Rounded to the
Jerry Phillps ITH 4 ∅ I. Complete the problems, and then round the answers to the nearest million. 200,000,000 278,660,459 - 25,274,902 + 348,901,447 174,725,098 627,561,906 175,000,000 628,000,000	225 Review 5. Use the clues to determine the mystery number. 16 14 12 39 39 17 3 26 8 I am not the number to the left of 12. I am not the number to the right of 62. I am a two-digit number. I am an even number. I am greater than 16. Added together, my digits equal 8. Rounded to the nearest ten, I equal 30. Which number am I?
Jerry Philles ITH 4 2 I. Complete the problems, and then round the answers to the nearest million. 200,000,000 278,660,459 - 25,274,902 + 348,901,447 174,725,098 + 27,561,906 175,000,000 628,000,000 2. You started your math lesson at 7:42 AM. It took you I hour and 7 minutes. At what time did you finish your math lesson?	200 Se view 5. Use the clues to determine the mystery number. 16 14 18 14 19 36 19 14 10 14 11 14 12 36 13 26 14 12 35 26 14 12 36 36 14 12 36 36 14 12 36 36 37 3 26 36 14 12 37 3 26 36 14 12 38 26 39 39 39 39 30 30 30 30 30 30 30 30 30 30 30 30 31 30 32 30 33 30
Jerry Phillps ITH 4 2 ITH 4 2 Ith 6 2 Ith 6 2 Ith 7 2 Ith 2	 Seview 5. Use the clues to determine the mystery number. 16 14 12 32 39 17 3 26 8 I am not the number to the left of 12. I am not the number to the right of 62. I am a two-digit number. I am an even number. I am greater than 16. Added together, my digits equal 8. Rounded to the nearest ten, I equal 30. Which number am 1? 6. Identify each type of angle.
Jerry Philles ITH 4 2 ITH 4 2 I. Complete the problems, and then round the answers to the nearest million. 200,000,000 278,660,459 - 25,274,902 + 348,901,447 174,725,098 627,561,906 175,000,000 628,000,000 2. You started your math lesson at 7:42 AM. It took you I hour and 7 minutes. At what time did you finish your math lesson? 8:49 AM 3. Put these numbers in order from least to greatest.	 Seview 5. Use the clues to determine the mystery number. 16 14 12 82 39 17 3 26 8 I am not the number to the left of 12. I am not the number to the right of 62. I am a two-digit number. I am an even number. I am greater than 16. Added together, my digits equal 8. Rounded to the nearest ten, I equal 30. Which number am I? 6. Identify each type of angle. Obtuse Right Acute Straight
Jerry Philles ITH 4 ∅ I. Complete the problems, and then round the answers to the nearest million. 200,000,000 278,660,459 - 25,274,902 + 348,901,447 174,725,098 + 627,561,906 175,000,000 628,000,000 2. You started your math lesson at 7:42 AM. It took you I hour and 7 minutes. At what time did you finish your math lesson? 8:49 AM 3. Put these numbers in order from least to greatest. 874,423 847,423	Review So Use the clues to determine the mystery number. So Use the clues to determine the mystery number. So S
Jerry Philles ITH 4 \textcircled{O} I. Complete the problems, and then round the answers to the nearest million. 200,000,000 278,660,459 - 25,274,902 + 348,901,447 174,725,098 - 175,000,000 628,000,000 2. You started your math lesson at 7:42 AM. It took you I hour and 7 minutes. At what time did you finish your math lesson? 8:49 AM 3. Put these numbers in order from least to greatest. 874,423 847,423 847,127 847,423 847,127 847,423 1 1	Review Service 5. Use the clues to determine the mystery number. JE JA JE 82 30 JA E 3 26 8 I am not the number to the left of l2. I am not the number to the right of 62. I am a two-digit number. I am an even number. I am greater than l6. Added together, my digits equal 8. Rounded to the nearest ten, I equal 30. Which number am I? 6. Identify each type of angle. <u>Obtuse Right Acute Straight</u> Read with your parent or teacher It's time to review Multiplication Set A using the Multiplication
Jerry Philles ITH 4 \textcircled{O} I. Complete the problems, and then round the answers to the nearest million. 200,000,000 278,660,459 - 25,274,902 + 348,901,447 174,725,098 627,561,906 175,000,000 628,000,000 2. You started your math lesson at 7:42 AM. It took you I hour and 7 minutes. At what time did you finish your math lesson? 8:49 AM 3. Put these numbers in order from least to greatest. 874,423 847,127 847,127 847,423 847,127 847,423 847,127 847,423 847,127 847,423 94,127 847,423 874,234 874,423	Review Seview <p< td=""></p<>
ITH 4 \textcircled{O} 200,000,000 278,660,459 - 25,274,902 - 348,901,4477 627,561,906 175,000,000 628,000,000 2. You started your math lesson at 7:42 AM. It took you I hour and 7 minutes. At what time did you finish your math lesson? 8:49 AM 3. Put these numbers in order from least to greatest. 874,423 847,127 847,423 847,127 847,423 44,123 4	Review Solution
ITH 4 \textcircled{O} 200,000,000 278,660,459 - 25,274,902 + 348,901,447 174,725,098 - 25,274,902 + 348,901,447 174,725,098 - 25,274,902 + 348,901,447 - 25,274,902 + 348,901,447 - 25,274,902 + 348,901,447 - 25,274,902 - 438,900,000 2. You started your math lesson at 7:42 AM. It took you I hour and 7 minutes. At what time did you finish your math lesson? - 8:49 AM 3. Put these numbers in order from least to greatest. 874,423 847,423 847,423 847,423	 Review S. Use the clues to determine the mystery number. S. Use the clues to determine the mystery number. S. Use the clues to determine the mystery number. S. Use the clues to determine the mystery number. S. Use the clues to determine the mystery number. I am not the number to the left of 12. I am not the number to the right of 62. I am a two-digit number. I am an even number. I am greater than 16. Added together, my digits equal 8. Rounded to the nearest ten, I equal 30. Which number am I? C. Identify each type of angle. Right Acute Stroight Read with your parent or teacher. Mastery Chart on page 395 with your parent or teacher. Parent/Teacher: Quiz your child on Set A facts and indicate which facts your child has mastered in the "Reviewed" column on page 395. Practice any missed facts.



Math 4 Answer Key

🗇 МАТН 4



	Lesson Practice		****			
elow are two tables showing the lowest temperatur Id St. Louis, Missouri. Use the tables to compare ten Iown on each table. Then compare the numbers by	res recorded each year from mperatures. Write the numb v writing a <, >, or = symbol ir	2010 to 2020 in the cities opers in the boxes provided an each circle between them	of Indianapolis, Indiana, according to the data 1.			
INDIANAPOLIS GAZETTE Lowest Temperatures for Indianapolis, Indiana	Compare the temperature	es in Indianapolis, Indiana, f 2012 2013	or each year listed: 2014 2015 -15' -7'			
Year °F Year °F 2010 1 °F 2016 -1 °F 2011 -3 °F 2017 -3 °F 2012 -1 №F 2018 -1 ∞F	2016 2017 -1° > -3°	2018 2019 -12° < -11°	2019 2020 -11° < 2°			
2012 II F 2018 -12 F 2013 2 °F 2019 -II °F 2014 -15 °F 2020 2 °F 2015 -7 °F	Compare the temperature	es in St. Louis, Missouri, for 2012 2013	each year listed: 2014 2015			
THE ST. LOUIS TIMES Lowest Temperatures for St. Louis, Missouri	$2016 2017 3^{\circ} > 2^{\circ}$	2018 $2019-6^{\circ} (=) -6^{\circ}$	2019 2020 -6° < 5°			
Year °F Year °F 2010 0 °F 2016 3 °F 2011 0 °F 2017 2 °F 2012 12 °F 2018 - 4 °F	Compare the temperature	es in St. Louis and Indianapo	olis for each year listed:			
2012 13 1 2019 -6 °F 2013 7 °F 2019 -6 °F 2014 -8 °F 2020 5 °F 2015 1 °F	2010 Indianapolis St. Lauis 1° > 0°	2015 Indianapolis St. Louis -7° < 1°	2019 Indianapolis St. Lauis -11* < -6*			
	Use the number I	ine below to answer the	o Jerry Ph () ma following questions,			
Review .	< <u> </u>	 	+++++++> 5 IO			
20, 15, 10, <u>5</u> , 0, <u>-5</u> , <u>-10</u> , <u>-15</u> -27, -20, -13, -6, <u>1</u> , <u>8</u> , <u>15</u> , <u>22</u> 12, 0, (10, 0)	4. What number is 7 less t5. What number is 2 more	han 0? -7 7. What nu	mber is 3 less than -2? -5			
-2, -4, -6, -8, <u>-10</u> , <u>-12</u> , <u>-14</u> , <u>-16</u>	6. What number is 8 less t	han 5? -3 9. What nu	mber is 10 less than 3? -7			
 Circle each decimal number that rounds down to the nearest whole number. Put a box around each decimal number that rounds up to the nearest 	IO. Arrange these decim from least to greates	al numbers II. Arran st. from g Least	ge these decimal numbers greatest to least. Greatest			
whole number. 25.8 3.4 (472) 19.5 68.0 0.9 68.3 (2.4) 1.2 132.7 20.5 75.2) 2.8 34.5 7.6 11.9 42.7	321.017 321.170 321.071 321.107	321.017 54.6 321.071 54.6 321.107 54.6 321.107 54.6	54.876 876 54.867 687 54.687 367 54.687			
3. Find the volume of each solid. 12. Complete each problem. Use scratch paper for more room.						
8 in 5 fr 4 in 23 in 5 fr Volume = 736 cubic in Volume = 125 cubic	4 √3,247	9 J974 45 <u>× 12</u> 540	$\begin{array}{cccccccccccccccccccccccccccccccccccc$			

Math 4 Answer Key








МАТН 4 🛱



	OP tim	TIONAL: e from Le	• Time your sson 87.	self to see	e how long	this page	takes you.	Try to bee	at your pre	evious	Ç		
7 <u>× 7</u>	9 <u>× 12</u>	8 <u>× 5</u>	6 <u>× 3</u>	12 <u>× 3</u>	12 <u>× 12</u>	4 <u>× 9</u>	5 <u>× 5</u>	7 <u>× 6</u>	4	8 <u>× 12</u>	9 × 8	12 <u>× 2</u>	4 <u>× 4</u>
49 3 <u>× 3</u>	. 108 4 <u>× 6</u> 24	40 6 <u>× 6</u> 36	18 4 <u>× 12</u> 48	36 3 <u>× 7</u> 21	144 6 <u>× 9</u> 54	36 4 <u>× 7</u> 28	20 8 <u>× 6</u> 48	10 × 7 70	32 5 <u>× 9</u> 45	96 3 <u>× 0</u>	6 <u>× 11</u> 66	-2 -2 <u>× 12</u> 24	16 3 × 9 27
11 <u>× 12</u> 132	5 <u>× 4</u> 20	6 <u>× 8</u> 48	12 × 4 48	7 <u>× 8</u> 56	9 <u>× 4</u> <u>36</u>	6 <u>× 12</u> 72	3 <u>× 8</u> 24	7 <u>× 5</u> 35	12 <u>× 9</u> 108	8 <u>× 9</u> 72	5 <u>× 6</u> <u>30</u>	7 <u>× 12</u> 84	11 <u>× 4</u> <u>44</u>
5 <u>× 3</u> 15	8 <u>× 4</u> <u>32</u>	9 <u>× 9</u> <u>81</u>	12 <u>× 6</u> 72	3 <u>× 4</u> 12	12 <u>× 7</u> 84	6 <u>× 4</u> 24	4 <u>× 5</u> 20	7 <u>× 4</u> 28	12 <u>× 8</u> 96	4 <u>× 3</u> 12	6 <u>× 5</u> 30	9 <u>× 7</u> 63	5 <u>× 12</u> 60
5 <u>× 8</u> 40	9 <u>× 5</u> 45	7 <u>× 3</u> 21	12 <u>× 5</u> 60	6 <u>× 7</u> <u>42</u>	12 <u>× 11</u> 132	9 <u>× 3</u> 27	3 <u>× 6</u> 18	8 <u>× 8</u> 64	5 <u>× 7</u> 35	3 <u>× 12</u> 36	9 <u>× 6</u> 54	3 <u>× 5</u> 15	7 <u>× 9</u> 63
+ + + + + + enny Phillips		, + + + +			* * * * *	+ + + 317	* * * *		* * * * *	* * * *		+ + + + +	+ + + + +
							1	-					(🛱 MA
I. For e block Ther	cach set of to the nea round it to	esson blocks, rou rest whole o the near	Practic und the dec e number o est tenth o	cimal num and write und write	nber on the it on the b it on the re	e yellow blue block. ed block.		AA	TH	M	YS'	TE	RIE
	17		49		10		Belov	w are four	decimal r	numbers. F	Round eac	h decimal	number



14.7

3.8

7.9

14.4

5.6

3.2

5.5-

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Math 4 Answer Key

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Math 4 Answer Key



МАТН 4 🕅



Math 4 Answer Key





3,865 ÷ 100 = 38.65 3,865 ÷ 100 = 38.65 284.7 ÷ 1,000 = 0.2847 355 ÷ 1,000 = 0.055 34 0 Jeeny Philles 0 Jeeny Philles

22.64 × 1,000 = 22,640

36.49 ÷ 10 = 3.649

.0

5.319 × 1,000 = 5,319

Math 4 Answer Key





Math 4 Answer Key



1. 112 	4.	4.	Garret o got diffe	and Sara comp	leted the so			
1. 112 <u>× 42</u>	4.	4.	yor unite		For each pr	ame homewor	k assignment	t, but they
<u>× 42</u>	00		whose a	inswer is likely	correct, an	d then circle t	he name bel	ow.
	92	79						
5,104	8/632	8 632	1.0	Garret	2. Go	arret	3. Garret	
				Sara	Sa	ra	Sara)
			4	. Garret	5.G	arret	6. Garret	
2. 382	5.	5.	(Sara	So	ra	Sara	
× 19	35	18						
6,858	13 455	13/455	7 Pour	l anab fantan t	a the near	at tan and th	an antimata	the produ
			234	230	478	480	127	13(
3 . 217	6.	6.	<u>× 67</u>	70	<u>× 22</u>	100	<u>× 39</u>	10,
× 24	31	21		× / U		<u>× 20</u>		<u> </u>
5,208	19/399	19/399		16,100		9,600		5.20
	2. 382 × 19 6,858 3. 217 × 24 5,208	2. 382 × 19 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	2. 382 ×19 35 18 6,858 13/455 13/455 3. 217 6. 6. ×24 31 21 5,208 19/399 19/399	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				

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	time	e from Les	sson 97.								7	cee	, J
11	5	6	12	7	9	6	3	7	12	8	5	7	11
<u>× 12</u>	× 4	<u>× 8</u>	× 4	<u>× 8</u>	<u>× 4</u>	<u>× 12</u>	<u>× 8</u>	<u>× 5</u>	<u>× 9</u>	<u>× 9</u>	<u>× 6</u>	<u>× 12</u>	× 4
132	20	48	48	56	36	72	24	35	108	72	30	84	44
3	4	6	4	3	6	4	8	10	5	3	6	2	3
<u>× 3</u>	<u>× 6</u>	<u>× 6</u>	<u>× 12</u>	<u>× 7</u>	<u>× 9</u>	<u>× 7</u>	<u>× 6</u>	<u>× 7</u>	<u>× 9</u>	<u>× 0</u>	<u>× 11</u>	<u>× 12</u>	<u>× 9</u>
9	24	<u>36</u>	48	21	54	28	48	70	45	0	66	24	27
5 <u>× 3</u> 15	8 <u>× 4</u> <u>32</u>	9 <u>* 9</u> 81	12 <u>× 6</u> 72	3 <u>* 4</u> 12	12 <u>× 7</u> 84	6 <u>× 4</u> 24	4 <u>× 5</u> 20	× 4 28	12 <u>* 8</u> 96	4 <u>× 3</u> 12	6 <u>× 5</u> 30	9 <u>× 7</u> 63	5 <u>× 12</u> 60
7	9	8	6	12	12	4	5	7	4	8	9	12	4
<u>× 7</u>	<u>× 12</u>	<u>× 5</u>	<u>× 3</u>	<u>× 3</u>	<u>× 12</u>	<u>× 9</u>	<u>× 5</u>	<u>× 6</u>	<u>× 8</u>	<u>× 12</u>	<u>× 8</u>	<u>× 2</u>	<u>× 4</u>
49	108	40	18	<u>36</u>	144	<u>36</u>	25	42	<u>32</u>	96	72	24	16
5	9	7	12	6	12	9	3	8	5	3	9	3	7
<u>× 8</u>	<u>× 5</u>	<u>× 3</u>	<u>× 5</u>	<u>× 7</u>	<u>× 11</u>	<u>× 3</u>	<u>× 6</u>	<u>× 8</u>	<u>× 7</u>	<u>× 12</u>	<u>× 6</u>	<u>× 5</u>	<u>× 9</u>
40	45	21	60	42	132	27	18	64	35	36	54	15	63





MATH 4

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Math 4 Answer Key



МАТН 4 💮 }

 Complete each p decimal point in 	problem by multiplying the correct place.	g and then writing the	3.	Which letter ar using the spinne	re you most likely to land er to the right? B	d on, B B
4.39 <u>× 21</u> 92.19	1.873 × 3 5.619	2 7 5 × 1.9 522.5	4. 5.	What is the protocolor the letter A? $\frac{1}{5}$ What is the probability B? $\frac{4}{5}$	obability that you will lo - obability that you will lo	and on the letter A or a lett
 Locate each poir ordered pair for 	nt on the coordinate p each point. Rememb	lane below. Write the er, the first number in each	6.	Arrange these c each number to	decimal numbers from 1 the nearest tenth.	east to greatest. Then rour
ordered pair giv gives the vertice	es the horizontal posi Il position.	tion, and the second numbe	r	24.68 26.84	24.46 24.68	24.5 24.7
10 9 8 7	B	$ \begin{pmatrix} A (5, 4) \\ B (10, 8) \\ C (2, 6) \end{pmatrix} $		24.46 26.48	26.48 26.84	26.5 26.8
6 5 4 3 2 1 0 1 2 3 4 9	A F 5 6 7 8 9 10	$D(\frac{9}{.6}, \frac{6}{.6})$ $E(\frac{4}{.8}, \frac{8}{.3})$ $F(\frac{8}{.3}, \frac{3}{.2})$ $H(\frac{1}{.10})$	7	Convert each in $\frac{21}{6}$ $3\frac{3}{6}$	$\frac{7}{2} 3\frac{1}{2} \frac{47}{9}$	nixed number. $\frac{1}{2} = 5\frac{2}{9} = \frac{11}{4} = 2\frac{3}{4}$
$\begin{array}{c} 8 & 7 \\ \underline{\times 4} & \underline{\times 9} \\ \hline 32 & 63 \end{array}$	$\begin{array}{ccc} 7 & 9 \\ \underline{\times 4} & \underline{\times 3} \\ \hline 28 & 27 \end{array}$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	8 <u>× 8</u> 64	$\begin{array}{c} 3 \\ \times 4 \\ 12 \end{array} \begin{array}{c} \times 5 \\ 40 \end{array}$	$\begin{array}{c} 7 & 12 \\ \times 6 & \times 7 \\ 42 & 84 \end{array}$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$

МАТН 4 💮 }





Find the sum of all the numbers in the group. Divide the sum by the number of addends.

Look at the pencil box example again. The number of pencils in each box was 4, 3, and 5. To find the mean. first find the sum of these numbers.

4 + 3 + 5 = 12

Now divide the sum (12) by the number of addends. There are 3 numbers that we added, so divide 12 by 3.

4

The mean is 4.

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Find the mean of the children's ages above. **1. Find the sum of all the ages in the group.**

4 + 8 + 7 + 6 + 9 + 8 = 42

2. Divide the sum by the number of addends, in this case the number of children.

The mean, or average age, for this group of children is 7 years old.



10

9

15

11

Math 4 Answer Key

13 10

10

			Review	
9	C I. Complete	each conversion.		
16 oz = 1 lb 2.000 lb = 1 tn	5 tn =	10,000 lb	32 oz = 2 lb 8,000 lb =	4tn
1,000 g = 1 kg	11 lb =	= <u>176</u> oz	3 kg = <u>3,000</u> g 12,000 g = _	12kg
2. Complete each prol quotient directly ab	olem. Write the de ove the decimal po	cimal point in the int in the dividend.	6. Use the box to help answer the questions.	
4.21 8 J33.68	1.35 5 / 6.75	8/12.8	What is $\frac{2}{4}$ of 16? What is $\frac{3}{4}$ of 16? 8 12	
3. Complete each prol	olem by multiplying	and then writing the	7. Round each decimal number to the nearest whole number.	
decimal point in the	e correct place.		72.14 72 3.71 4 67.35 67 42.33	42
42.7	3.457	227	8 Now round each desired number to the pagest tenth	
<u>× 1 2</u> 512.4	17 285	× 3.4 771.8		42.3
4 Multiply each deci	17.200	ving the decimal point	/2.14 /2.1 3.71 3.7 67.35 07.7 42.33	72.0
72 7 × 10 =	727	ing me decima point.	Read with your parent or teacher	
12.78 × 100	= 1,278		It's time to review Multiplication Set D using the Multiplication and the Multiplication Set D using the Multiplication and the Set D using the S	plication
8.32 × 1,000) = 8,320		Mastery Chart on page 395 with your parent or teacher	r.
5. Convert each impro	oper fraction to a n	nixed number.	Parent/Teacher: Quiz your child on Set D facts and indi	cate
7 3 1	3 5 22	2	which facts your child has mastered in the "Reviewed" on page 395. Practice any missed facts.	column
$\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{8}$	$\frac{3}{8}$ $\frac{1}{8}$ $\frac{22}{5}$	- 4		
H 4 🔘)			- Find the MEAN.	o Jenny Phillip
H 4 O Each child below recorded the dis of numbers, det	LANE : v threw a paper air stance it flew (in fe ermine the mean, r	Average plane several times a net) each time. For eac nedian, mode, and rar	S I Find the MEAN: I. Find the sum of all the numbers. Divide the sum by the number of addends. Find the MODE: Is the numbers or numbers that Find the RANGE: Subtract the smallest number	o Jenny Philly
H 4 © Each child belov recorded the dis of numbers, det	LANE w threw a paper air stance it flew (in fe ermine the mean, r	Average plane several times a set) each time. For eac nedian, mode, and rar	S I Find the MEAN: I. Find the sum of all the numbers. 2. Divide the sum by the number of addends. Find the MODE: List the number or numbers that appear most often. I Find the RANGE: Subtract the smallest number largest number.	o Jemp Philly est to greatest, ating sides, er from the
H 4 O	LANE w threw a paper air stance it flew (in fe ermine the mean, r 	Average rplane several times a tet) each time. For eac nedian, mode, and rar	S I Find the MEAN: I. Find the sum of all the numbers, Divide the sum by the number of addends. Find the MODE: List the number or numbers that appear most often. 10, 7, 5, 7, 4, 9, 7 23,42,5 I Find the MODE: List the number of numbers that I Cores of number. Find the RANCE: Subtract the smallest number largest number. 23,42,5 I Cores of the state of the smallest number I Cores of number. I Cores of numbers. I Cores of number. I Cores of number.	o Jerny Philly
AIRP Each child below recorded the dis of numbers, det	LANE whrew a paper air stance it flew (in fe ermine the mean, r 	Average rplane several times a ret) each time. For eac nedian, mode, and rar	S I Find the MEAN: I. Find the sum of all the numbers. 2. Divide the sum by the number of addends. Find the MODE: List the number or numbers that appear most often. 10, 7, 5, 7, 4, 9, 7 Mean: 7	o Jerny Philip
H 4 C	LANE of threw a paper air stance it flew (in fe ermine the mean, r 27, 18 21 18	Average rplane several times a tet) each time. For eac median, mode, and rar	370 Signal Find the MEAN: 1. Find the sum of all the numbers. 2. Divide the sum by the number of addends. 1. Sind the MODE: ust the number or numbers that appear most often. 10, 7, 5, 7, 4, 9, 7 Mean: 7 Median: 7	o Jerry Philly ast to greatest, ating sides, ar from the 31
H 4 C	LANE w threw a paper air stance it flew (in fe ermine the mean, r 	Average rplane several times a set) each time. For eac nedian, mode, and rar	370 Send I. Find the MEAN: I. Find the sum of all the numbers. 2. Divide the sum by the number of addends. Send End the MODE: List the number or numbers that oppear most often. 10, 7, 5, 7, 4, 9, 7 Median: 7 Median: 7 Mode: 7	o Jemp Philly
Radiese Content of the second of the second of the disord of numbers, det	threw a paper air stance it flew (in feermine the mean, r 27, 18 21 18 18 9	Average rplane several times a ter) each time. For eac nedian, mode, and rar	370 Signed Find the MEAN: 1. Find the sum of all the numbers. 2. Divide the sum by the number of addends. 1. Find the MODE: uge. Find the MODE: List the number or numbers that appear most often. 10, 7, 5, 7, 4, 9, 7 Mean: 7 Median: 7 Mode: 7 Range: 6	o Jerry Phillip
H 4 Q Each child below recorded the dig of numbers, det 18, Mean: Mediar Mode: Range:	LANE whrew a paper air stance it flew (in fe ermine the mean, r 	Average rplane several times a nedian, mode, and rar	370 Sind the MEAN: 1. Find the MEAN: 2. Divide the sum of all the numbers. 2. Divide the sum by the number of addends. Sheset Find the MODE: List the number or numbers that appear most often. 10, 7, 5, 7, 4, 9, 7 Median: 7 Mode: 7 Range: 6	o Jerny Philip
H 4 Q AIRP Each child belov recorded the dis of numbers, det 18, Mean: Mediar Mode: Range:	LANE w threw a paper air stance it flew (in fe ermine the mean, r 	Average rplane several times a net) each time. For each nedian, mode, and rar	S I I S I S I S I S I S S	o Jemp Philly
H 4 S Each child below recorded the dis of numbers, det 18, Mediar Mediar Mode: Range: 6, 3, 5, Au	LANE w threw a paper air stance it flew (in fe ermine the mean, r 27, 18 21 18 9 3, 4, 1, 7, 2, 5 4	Average	S A A A A A A A A A A A A A	o Jerry Philly
H 4 O AIRP Each child belov recorded the dis of numbers, det 18, Mediar Mediar Mode: Range: 6, 3, 5, Mean: Auto	LANE w threw a paper air trance it flew (in fe ermine the mean, r 27, 18 21 27, 18 21 18 18 9 3, 4, 1, 7, 2, 5 4 w 4	Average	S I Find the MEAN: I. Find the sum of all the numbers. 2. Divide the sum by the number of addends. Find the MODE: List the number or numbers that appear most often. 10, 7, 5, 7, 4, 9, 7 Median: 7 Median: 7 Median: 7 Mode: 7 Range: 6 13, 12, 9, 12, 14 Median: 12 Median: 12 Median: 12 Median: 12 Median: 12 Median: 12	o Jemy Philly
H 4 9	LANE : threw a paper air trance it flew (in fe ermine the mean, r 27, 18 21 18 21 18 9 23, 4, 1, 7, 2, 5 4 18 9	Average rplane several times a net) each time. For eac nedian, mode, and rar	Solution of all the numbers in the image of addends. I Find the MEAN: I. Find the sum of all the numbers. 2. Divide the sum by the number of addends. I. List the numbers from lea 2. Cross off numbers, altern until one is left. Find the MODE: List the number or numbers that appear most often. I. List the number of numbers in the largest number. I. List the numbers of numbers. I. List the number. I. List t	o Jerry Philip
H 4 O AIRP Each child below recorded the dis of numbers, det 18, Mean: Mediar Mode: 6, 3, 5, Mean: Mediar Mediar	LANE three a paper air trance it flew (in fe ermine the mean, r 27, 18 21 27, 18 21 23, 4, 1, 7, 2, 5 4 18 9	Average	Solution of the mean of all the numbers in the sum of all the numbers in the number of addends. Find the MODE: List the number or numbers that oppear most often. 10, 7, 5, 7, 4, 9, 7 Mean: 7 Median: 7 Mode: 7 Range: 6 13, 12, 9, 12, 14 Mean: 12 Median: 12 Mode: 12 Parage: 5	o Jerny Philly
H 4 9 AIRP Each child below recorded the dis of numbers, det 18, Mediar Mediar Mode: Range: 6, 3, 5, Mean: Mediar Mode: Range:	LANE whrew a paper air stance it flew (in fe ermine the mean, r 	Average	Solution of all the numbers in the number of addends. I Find the MODE: List the number or numbers that appear most often. I 0, 7, 5, 7, 4, 9, 7 Median: 7 Median: 7 Mode: 7 Range: 6 I 3, 12, 9, 12, 14 Median: 12 Median: 12 Median: 12 Median: 12 Median: 12 Median: 12 Median: 2 Median: 12 Median: 16 Median: 16 M	o Jenny Philly

Math 4 Answer Key



Review	N	12 inches	= foot	3 feet	= I yard	l km	= 1,000 m	l m = 100 cm
I. Complete each problem. Write t	the decimal point in the	36 inches	= I yard	5,280 fi	eet = I mile	l cm	= 10 mm	l m = 1,000 mm
<u>13.42</u> 8.3		5. Comp	lete each	conversio	n.			
3)40.26 6)49.8	3 22)72.6	48 ir	n = <u>4</u>	ft		400	cm =	<u>4</u> m
2. Complete each problem by multi decimal point in the correct place	plying and then writing the	2 mi	= 10,5	560	ft	13,00)0 m =	<u>13</u> km
56.3 3.117	7 7 2 4	4 yd	=14	.4	in	40 m	m =	<u>4</u> cm
<u>× 4 2</u> 2,364.6 15.585	<u>× 2.3</u> 1,665.2	6. Simpl	ify the fr	actions, ai	nd then wri	te them as	decimal nu	mbers.
3. Arrange these decimal numbers Then round each number to the	from least to greatest. nearest tenth.		$\frac{8}{32}$	<u> </u>	0.25	9 18	1 2	0.5
17.52 Least	Rounded	7. Identi	fy the ru	les and co	ntinue the j	patterns.		
17.25 17.52	17.5		, 36, 30, 2 ¹	+, 18, 12, <u>6</u>		<u>6 , -12</u>	Rule: _	subtract 6
17.55	17.6	-	23, -18, -	-13, -8,	3, 2, 7	<u>12</u>	Rule: _	add 5
4. Find the mean, median, mode, and	d range for each set of numbe	ers.	ind the ME		、	Eind the l		
12, 11, 9, 14, 7, 3, 7	22, 31, 19, 19, 24		Find the s Divide th	sum of all the sum by the	e numbers. e number	I. List th	e numbers fr off numbers,	om least to greatest. alternating sides,
Mean: 9	Mean: 23 Median: 20		of adden	ds		until o	ne is left.	·
Mode: 7	Mode: 19		Find the M	ODE:	``````````````````````````````````````	Find the	RANGE:	
Range: 11	Range: 12		list the nur appear mos	nber or num st often.	bers that	Subtract largest n	the smallest i umber.	number from the

.	Mu	ltir	olica	atic	n A	/AS	STE	RY	×		É	TIME:	2
	OPT time	IONAL: 1 from Les	Time yours son 106.	elf to see	how long t	his page t	akes you.	Try to bea	t your pre	vious	Ç	ere	J.
11	5	6	12	7	9	6	3	7	12	8	5	7	11
<u>× 12</u> 132	<u>× 4</u> 20	<u>× 8</u> 48	<u>× 4</u> 48	<u>× 8</u> 56	<u>× 4</u> 36	× 12 72	<u>× 8</u> 24	<u>× 5</u> 35	× 9 108	<u>× 9</u> 72	<u>× 6</u> 30	<u>× 12</u> 84	<u>× 4</u> 44
3	4	6	4	3	6	4	8	10	5	3	6	2	3
<u>× 3</u> 9	<u>× 6</u> 24	<u>× 6</u> 36	<u>× 12</u> 48	<u>× 7</u> 21	× 9 54	<u>× 7</u> 28	<u>× 6</u> 48	× 7 70	<u>× 9</u> 45	<u>× ()</u>	<u>× 11</u> 66	<u>× 12</u> 24	× 9 27
5	8	9	12	3	12	6	4	7	12	4	6	9	5
<u>× 3</u> 15	× 4 32	× 9 81	<u>× 6</u> 72	× 4 12	<u>× 7</u> 84	<u>× 4</u> 24	<u>× 5</u> 20	<u>× 4</u> 28	× 8 96	<u>× 3</u> 12	<u>× 5</u> 30	<u>× 7</u> 63	<u>× 12</u> 60
7	9	8	6	12	12	4	5	7	4	8	9	12	4
× 7 49	<u>× 12</u> 108	<u>× 5</u> 40	<u>× 3</u> 18	× 3 36	<u>× 12</u> 144	<u>* 9</u> <u>36</u>	<u>× 5</u> 25	<u>× 6</u> 42	<u>* 8</u> 32	<u>× 12</u> 96	<u>× 8</u> 72	<u>× 2</u> 24	<u>× 4</u> <u>16</u>
5	9	7	12	6	12	9	3	8	5	3	9	3	7
<u>× 8</u>	<u>× 5</u>	<u>×3</u>	<u>× 5</u>	<u>× 7</u>	<u>× 11</u>	<u>× 3</u>	<u>× 6</u>	<u>× 8</u>	<u>× 7</u>	<u>× 12</u>	<u>× 6</u>	<u>× 5</u>	<u>× 9</u>
4.0	45	21	60	42	132	27	18	64	35	36	54	15	63



Complete today's Math 4 Mental Math Map Mysteries activity.
 There are no more videos, mini lessons, or practice!

Welcome to Italy! In the next two lessons, we will be taking a trip across the country of Italy, visiting different cities while reviewing some of the most important skills you've learned throughout this course. Follow the itinerary below to move from city to city. Complete each of the problems on the postcard for that city before moving on to the next city.

DAY I

Your plane lands in Italy at 4:45 PM. The plane ride lasted 2 hours and 20 minutes. At what time did you board the plane?

2:25 PM

Your tour of Italy starts in Bolzano, the capital of the South Tyrol region. This beautiful area offers stunning castles and quaint mountain villages amid endless hills and vineyards.

DAY 2

You hop on a bus for the short trip to the famous city of Venice. The bus leaves at 7:23 AM and arrives at 10:50 AM. How long was the bus ride?

3 hours 27 minutes

The city of Venice stretches across II8 small islands and doesn't have any major roads, just canals! Today, you take a gondola ride through the historic city.









DAY 3

Today, you'll see the sights of Milan, Italy. Although Milan is best known for its thriving fashion industry, you are more interested in the famous artwork on display here, including "The Last Supper" by Leonardo da Vinci.

DAY 4

You board a train at 8:30 AM for a 2-hour-and-47-minute ride to Cinque Terre. What time does your train arrive?

11:17 AM

Cinque Terre means "Five Lands" in Italian, and that's exactly what it is: a string of five colorful fishing villages perched on rugged cliffs above the sea. Sample some of the amazing seafood while you're here!



DAY 5

Today, you are in the city of Pisa, so, of course, you plan to visit the Leaning Tower of Pisa. The tower is a campanile, or freestanding bell tower, for the Pisa Cathedral that it stands behind. Construction began in 1173 on the 183-foot tower, which was already leaning when construction was completed 200 years later, due to an unstable foundation. Today, the tower, a famous tourist destination, leans at a 4-degree angle.







DAY 8

Early in the morning, you board a boat for the small Italian island of Sardinia, famous for its beautiful clear waters and pristine beaches. Time for some swimming!

DAY 9

Your tour of Italy stops on the island of Sicily, home to Mount Etna (an active volcano). Here you will visit the ruins of several ancient Greek temples in the Valley of the Temples.



The country of Italy is a peninsula. In Italian it is nicknamed **Lo Stivale.** There are three smaller peninsulas that branch off of the main one. In Italian they are named **Calabria, Salento**, and **Gargano**.

To translate each of these Italian words, use the "Air Mail" numbers hidden on each postcard to fill in the missing letters. Use the red letters found in each city name.

LO STIVALE	<u>B</u>	0	0	T 3	
CALABRIA	T	0	E	5	
CALENTO		4 F	5 F		
SALENTO		6	5	7	
GARGANO	S	P	<u>U</u>	R 10	
	0	2		10	



Math 4 Answer Key



🗇 МАТН 4



Math 4 Answer Key

र्व्य ORDER OF (LE	OPERATIONS & SSONS 40, 85, 91 &	PATTERNS (7 94)	Jogo	ર્સ્	ELAPS (LESSO	SED TIME	
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10 × (8 + 4) + 2 =	122		She starts at 8:4	2 AM and AM How lon	~	
3 ² + 15	- (40 ÷ 8) =	19		did it take Karen	to complete th	ne libo	ur 26 minuto
24 ÷ (12	$(2 \div 2) + 4^2 =$	20		race:		1 110	ur zo minure
lentify the rules and contin	ue the patterns						
	8 -16 -24 r	subtract	8	6:48 P	M		
-24 -19 -12 -5	<u>, 10, 11</u> F	$\mathbf{C}_{\text{ule:}} = \frac{\mathbf{C}_{\text{ule:}}}{\mathbf{C}_{\text{ule:}}}$	_			Carlos baked f for a bake sale	our dozen coo at his church
20, -1-1, -12, <u> </u>	<u> </u>		I			He started at 2 took him 4 hou	2:32 PM, and rs and 16 min
	Additional Pro	ictice				What time dia	he finish bak
dentify the rules and contin	ue the patterns.				Additi	onal Practic	e
-19, -14, -9, -4, <u>1</u> ,	6, 11, 16	Rule: <u>add 5</u>		At 9:51 AM you s	tarted your so	ience	
5, II, 7, 3, <u>-1</u> , <u>-5</u>	, <u>-9</u> , <u>-13</u> Rul	e:subtract [_]	<u>+</u>	lesson. At II:24 A the last problem	M you finishe How long did	d the 1 L	our 33 minut
lse the order of operations	to complete each probl	em.		lesson take you t	o complete?	1 h	Sur 33 minute
10 + 30 ÷ (3 × 5) = 12		-				
$6^2 - 8 \times$	2 + 4 = 24	4		2:44 P	M	Next, you starte	d working on a
	2 10	ć				I2:37 PM, and it	took 2 hours
$32 = 110 \pm 7$) + 3 = 10			l		/ minutes to cor time did vou fini	nplete. VVhat ish writina?
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Math 4 Answer Key





