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NAME \_\_\_\_

### Check What You Know

Multiplying and Dividing Whole Numbers

Mult	iply.			
ι.	a 49 <u>× 35</u>	<b>b</b> 380 <u>× 22</u>	€ 816 <u>× 32</u>	d 276 <u>× 80</u>
2.	2714 × 52	5216 × 16	177 <u>× 402</u>	$\frac{818}{\times 321}$
3.	445 × 176	3420 × 634	5867 × 382	6334 × 257
Divid	de.			
4.	a 3)762	<b>ь</b> 7) <u>423</u>	c 72)216	d 33) 594
5.	24) 671	63) 887	45) 6075	89) 3299
6.	92)8147	14)3315	76) 2647	17)8451

Check What You Know **SHOW YOUR WORK** Multiplying and Dividing Whole Numbers Solve each problem. 7. A video game company can fit 535 boxes of 7. games into a truck. If the company has 47 full trucks, how many games does it have total? The company has games total. 8. Sally bought 1,425 crayons that came in packs 8. of 15. How many packs of crayons did Sally pn<sub>5</sub> Sally bought \_\_\_\_\_ packs. 9. Each day, 1,035 new apps are uploaded to a 9. web server. After 28 days, how many apps would have been uploaded? apps would have been uploaded. 10. An art museum has 1,042 pictures to split equally 10. into 45 different exhibits. How many more pictures does the museum need to make sure each exhibit has the same amount? The museum needs \_\_\_\_\_ more pictures. **11.** Robin is making bead necklaces. She wants to 11. use 717 beads to make 57 necklaces. If she wants each necklace to have the same number of beads, how many beads will she have left over? She will have \_\_\_\_\_ beads left over. 12. Each day, the gum ball machine in the mall sells 12. 919 gum balls. How many gum balls would it have sold after 160 days? It would have sold \_\_\_\_\_ gumballs.

NAME\_

6

CHAPTER I PRETEST

	NAME					
Les	son I.I	Multiplyir	ng 2 and	3 Digits b	y 2 Digits	
	ltiply right to left. 24 × 7 168		8 = 72, then 0 = 720. <sup>1</sup> 24 <u>30</u> 720	Multiply right to left. 427 × 1 427	H 2 7 × 6 I → 4 2 7 + 2 5 6 2 0 2 6,0 4 7	× 4 2 7 × 60 25620
Multi						
ι.	a 43 <u>× 42</u>	ь 75 × 12	€ 52 × 28	d 36 × 91	e   6 <u>× 77</u>	f 2∣ × ∣3
2.	24 × 87	62 × 54	96 × 32	8 × 47	33 × 79	45 × 63
3.	$26 \times 53$	39 × 74	44 × 81	473 × 64	$\times$ 22	$375 \times 49$
4.	$\times$ $\frac{838}{58}$	$\times$ 93	$\times$ $\frac{372}{46}$	$\times$ 78	$\times$ $\frac{428}{37}$	$\times$ $\frac{235}{86}$
5.	$\times$ $\frac{907}{33}$	$\times$ 27	$\times$ 82	547 × 54	$\times$ 62	$\times$ 697 $\times$ 76

Chapter 1, Lesson 1 Multiplying and Dividing Whole Numbers

NAME \_\_\_\_\_

## Lesson 1.2 Multiplying 4 Digits by 1 and 2 Digits

Multiply from right to left. $7198 \times 4$					
	=  4 + 2 = 06 = 2  +   = 22	$\frac{3236}{\times \frac{7}{22,652}} \frac{6}{3}$		× 14	$ \begin{array}{r}     \hline         & 28792 \\         & 7198 \\         \times & 10 \\         & -71980 \\         & 98, \\         \end{array} $
Multip	oly.		.,		
ι.	a 2763 × 5	<mark>ь</mark> 6204 × 7	° 3221 × 4	d 8634 × 8	e 7253 × 6
2.	$\times$ 4728 $\times$ 4	$\times$ 9	854 × 2	$\times$ 6	$\times$ 3
3.	$\times $ $3$	9428 × 2	$\times$ 28	6414 × 37	$\times$ 2889 $\times$ 41
4.	5297 × 64	$\begin{array}{c} 4 \mid 75 \\ \times  23 \end{array}$	$8052$ $\times$ 46	$\begin{array}{r} 2988 \\ \times 85 \end{array}$	6364 × 92
5.	$3562$ $\times$ 27	7451 × 54	× 83	9163 × 72	4276 × 56

	NAME				
Less	son I.3 Di	ividing 3 Digit	ts by 2 Digits		
	। ५ × 5 = 70- The quo The rem	$71 \div 14 = 5$ remainder 1 $\frac{5}{14}718$ -70 18 otient is 51. nainder is 4.	18 ÷ 14 = 1 remainder 4 <u>51</u> 14)718 - 70 18 - 14 - 14 - 4	51 r4 14)718 - 70 18 - 14 - 14	
Divide	a	Ь	c	d	
ι.	23)264	32) 571	81)724	52)328	
2.	61)488	35)   75	82)362	47)719	
3.	97)891	26) 423	43)916	57)649	

	NAME					
Lesse	Lesson 1.4 Dividing 4 Digits by 2 Digits					
	= 46 $= 46$ $= 46$	5 57	$  3 \div 23 = 4$ remainder 2  224 23)5173 -46 57 -46 57 -46 113 -92 21	$ \begin{array}{r} 224 r21 \\ 23)5173 \\ -46 \\ 57 \\ -46 \\ 113 \\ -92 \\ \hline 21 \\ \hline \end{array} $		
Divide.	a	Ь	c	d		
ι.	43)6571	22)8294	62)3628	88)4773		
2.	56)2829	89)4340	75)8195	29)4872		
3.	63)1890	31)6263	96)5379	48)7246		

Le	sson 1.5 Problem Solving	SHOW YOUR WORK
Solv	e each problem.	
ι.	At the Bead Shop, there are 25 rows of beads. If there are 320 beads in each row, how many beads are in the shop?	1.
	There are beads in the shop.	
2.	The cafeteria planned to bake 3 cookies for every student in the school. If there are 715 students, how many cookies does the cafeteria need to bake?	2.
	The cafeteria needs to bake cookies.	
3.	A group of 123 students went on a field trip to collect seashells. If the students collected 15 shells each, how many shells did they collect?	3.
	The students collected shells.	
4.	A girls' club is trying to get into the record books for the most hair braids. There are 372 girls. If each girl braids her hair into 40 little braids, how many braids will they have?	4.
	They will have braids.	
5.	A school bought 831 boxes of computer paper for the computer lab. Each box had 59 sheets of paper inside it. How many sheets of paper were bought in total?	5.
	The school bought sheets of paper.	
6.	A vat of orange juice contains the juice from 231 oranges. If a company has 611 vats, how many oranges would it need to fill them all?	6.
	The company would need oranges.	

Lesson 1.5 Problem Solving
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2.

Solve each problem.

 The Pancake Restaurant served 384 pancakes. If 87 customers ate an equal number of pancakes, how many did each person eat?

Each person ate \_\_\_\_\_ pancakes.

2. Gary opened a bag of candy containing 126 pieces. He wants to give each of his guests the same number of pieces. If he has 42 guests, how many pieces does each person get?

Each guest gets \_\_\_\_\_ pieces.

3. At the local fair, 358 people waited in line for a boat ride. The boat can hold 8 people. How many trips will the boat have to take for everyone to get a ride?

The boat will have to take \_\_\_\_\_\_ trips.

4. Cafeteria workers were putting milk cartons into crates. They had 1,052 cartons and 36 cartons in each crate. How many full crates did they end up with?

They ended up with \_\_\_\_\_ full crates.

5. A machine in a candy company creates 9,328 pieces of candy each hour. If a box of candy has 98 pieces in it, how many boxes does the machine make in one hour?

The machine makes \_\_\_\_\_ boxes each hour.

6. Oliver was trying to beat his old score of 1,842 points in a video game. If he scores exactly 85 points each round, how many rounds would he need to play to beat his old score?

Oliver should play \_\_\_\_\_ rounds.

3. 4. 5. 6.

### Check What You Learned

Multiplying and Dividing Whole Numbers

Multiply.				
	a	Ь	c	d
ι.	280 × 93	814 × 37	497 × 48	6492 × 82
2.	$2158 \times 32$	8291 × 54	212 × 561	394 × 627
3.	4176 × 283	9192 × 562	7315 × 141	5639 × 374
Divide.				
4.	6)2142	4)8676	49) 392	34) 2589
5.	72)745	45)213	61)1708	94) 4649
6.	52)9243	68)3174	16) 4236	81)2748

NAME				
Check What You Learned	SHOW YOUR WORK			
Multiplying and Dividing Whole Numb	pers			
e each problem.				
The park's sprinklers can spray 1,748 gallons of water on the grass in 38 minutes. How many gallons can they spray in one minute?	7.			
They can spray gallons per minute.				
The auto factory will build 1,408 new trucks in the next 32 days. How many will it build in one day?	8.			
It will build trucks each day.				
Pizza Depot will open 31 new restaurants next year. Each restaurant will need 27 employees. How many employees will Pizza Depot need to hire for the new restaurants?	9.			
Pizza Depot will need to hire employees.				
The parking lot has 1,326 spaces to hold cars. The lot is divided into 26 equal rows. How many cars can be parked in each row?	10.			
cars can park in each row.				
If a machine can make 761 pencils in a second, how many pencils can it make in 23 seconds?	11.			
It can make pencils.				
In New York City, each mail truck has 1,023 pieces of junk mail. If there are 71 mail trucks, how much junk mail do they have total?	12.			
They have pieces of junk mail.				
	Check What You Learned         Multiplying and Dividing Whole Numb         Aultiplying and Dividing Whole Numb         e each problem.         The park's sprinklers can spray 1,748 gallons of water on the grass in 38 minutes. How many gallons can they spray in one minute?         They can spray gallons per minute.         The auto factory will build 1,408 new trucks in the next 32 days. How many will it build in one day?         It will build gallons per trucks each day.         Pizza Depot will open 31 new restaurants next year. Each restaurant will need 27 employees.         How many employees will Pizza Depot need to hire for the new restaurants?         Pizza Depot will need to hire         employees.         The parking lot has 1,326 spaces to hold cars. The lot is divided into 26 equal rows. How many cars can be parked in each row?			