

Name \_\_\_\_\_

**Chapter  
8**

**Test A**

1. What property explains the pattern shown by the shaded products in the multiplication table?

×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

2. Use the multiplication table to complete the related facts.

$36 \div 6 = \underline{\quad}$

$6 \times \underline{\quad} = 36$

3. There are 12 people at a campsite. There are 4 people in each tent. How many tents are there?

4. Complete the table.

×	2		10
4		20	
	12	30	
10			

5. Which equation does *not* belong with the other three?

$8 \times 3 = 24$

$24 \div 3 = 8$

$24 \div 8 = 3$

$4 \times 6 = 24$

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**Test A** (continued)

6. The product of two numbers has a 1 in the ones digit. Are the two numbers even or odd?

even and odd

both even

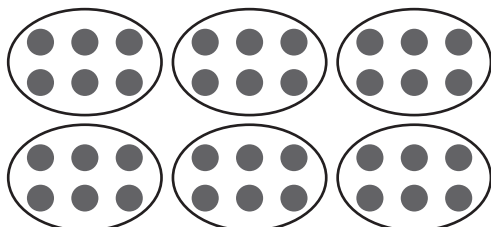
both odd

7. The 12 boys and 15 girls in a class are divided into teams for a game. There are 3 students on each team. How many teams are there?

8. You make bags of trail mix. Complete the table to find how many of each ingredient you need for the given number of bags.

		Number of Bags			
		1	2		6
Ingredient	Peanuts		20		
	Raisins	9			
	Almonds				24
	Walnuts	3		12	

9. You rearrange the counters into groups of 9. How many groups do you make?



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**Test B**

1. What property explains the pattern shown by the shaded products in the multiplication table?

×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

2. Use the multiplication table to complete the related facts.

$6 \div 1 = \underline{\quad}$

$1 \times \underline{\quad} = 6$

3. There are 32 fish at a store. There are 8 fish in each fish tank. How many fish tanks are there?

4. Complete the table.

×	4		9
3		18	
	24	36	
8			

5. Which equation does *not* belong with the other three?

$6 \times 6 = 36$

$36 \div 9 = 4$

$36 \div 4 = 9$

$9 \times 4 = 36$

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**Test B (continued)**

6. The product of two numbers has a 5 in the ones digit. Are the two numbers even or odd?

even and odd

both even

both odd

7. There are 22 red marbles and 20 blue marbles in a bag. You divide the marbles into groups of 7. How many groups are there?

8. You make bags of trail mix. Complete the table to find how many of each ingredient you need for the given number of bags.

		Number of Bags			
		1	2		8
Ingredient	Popcorn	7		42	
	Raisins		16		
	Cashews				32
	Cornflakes		18		

9. You rearrange the counters into groups of 8. How many groups do you make?

