Cumulative Practice

Name: _____

Set 1: Multiplication

Show what each expression means by drawing equal groups. Then write the product.

1. 3×6

2. 5×3

$3 \times 6 =$ .....

$5 \times 3 =$ .....

Set 2: Multiplying in Word Problems

Solve the word problems. Show your work.

1. Solange has 5 packs of batteries. Each pack has 6 batteries. How many batteries does Solange have?

2. Max is painting cats on 10 windows. In each window, he also paints a ball of yarn. How many balls of yarn does Max paint?

3. Lili has 2 cartons of eggs. Each carton has 8 eggs. How many eggs does Lili have?

Set 3: Break Apart to Multiply

Draw lines on the array and fill in the blanks to show your work.

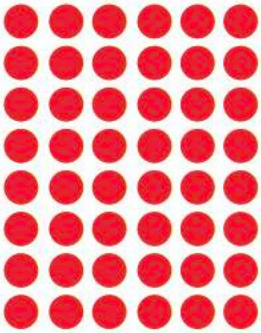
1. Break apart the array to find 7×4.

$7 \times 4 = (7 \times \_\_\_\_\_) + (7 \times \_\_\_\_\_)$

$= \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_$

$7 \times 4 = \_\_\_\_\_$

2. Break apart the array to find 8×6.



$8 \times 6 = (8 \times \_\_\_\_\_) + (8 \times \_\_\_\_\_)$

$= \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_$

$8 \times 6 = \_\_\_\_\_$

Set 4: Use Order and Grouping to Multiply

Choose an order and use parentheses to show one way to multiply the factors. Then show the steps to find the product.

1. Multiply the factors 2, 3 and 4.

2. Multiply the factors 7, 2 and 5.

3. Multiply the factors 6, 3 and 2.

4. Multiply the factors 5, 4 and 2.

Name: _____

Set 5: Division

Use any model to show the division expression. Then write the quotient.

1. $35 \div 5$

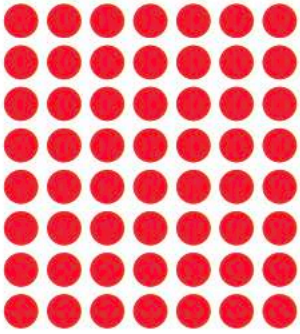
2. $21 \div 7$

$35 \div 5 =$ _____

$21 \div 7 =$ _____

Set 6: Connect Multiplication and Division

The array shows that $8 \times 7 = 56$. Use this fact to complete the equations.



1. $8 \times 7 =$ _____ $7 \times 8 =$ _____

2. $8 \times$ _____ $= 56$ $56 =$ _____ $\times 8$

3. $56 \div 8 =$ _____ $56 \div$ _____ $= 8$

4. _____ $= 56 \div 7$ $7 = 56 \div$ _____

5. _____ $\times 7 = 56$ $7 \times$ _____ $= 56$

6. $8 =$ _____ $\div 7$ _____ $\div 8 = 7$

Set 7: Multiplication and Division Fact Families

Complete the fact families.

1. $6 \times \_\_\_\_ = 24$
   $\_\_\_\_ \times 4 = 24$
   $24 \div \_\_\_\_ = 6$
   $\_\_\_\_ \div 6 = 4$

2. $\_\_\_\_ \times 8 = 40$
   $5 \times \_\_\_\_ = 40$
   $\_\_\_\_ \div 5 = 8$
   $40 \div \_\_\_\_ = 5$

3. $4 \times \_\_\_\_ = 32$
   $8 \times \_\_\_\_ = 32$
   $32 \div \_\_\_\_ = 8$
   $\_\_\_\_ \div 8 = 4$

Set 8: Multiply and Divide Within 100

Solve the problems.

1. $8 \times 8 = \_\_\_\_$
2. $9 \times 4 = \_\_\_\_$
3. $6 \times 9 = \_\_\_\_$
4. $10 \times 6 = \_\_\_\_$
5. $0 \times 8 = \_\_\_\_$
6. $1 \times 9 = \_\_\_\_$
7. $42 \div 7 = \_\_\_\_$
8. $36 \div 9 = \_\_\_\_$
9. $24 \div 3 = \_\_\_\_$
10. $63 \div 9 = \_\_\_\_$
11. $81 \div 9 = \_\_\_\_$
12. $72 \div 8 = \_\_\_\_$

Set 9: Patterns in Numbers

Use the multiplication chart for problems 1–5.

1. Fill in the missing products in the multiplication chart.
2. Which factor, other than 2, has all the numbers you wrote in problem 1 in its row?

   ____

3. The product of two even numbers is always ____.
4. The product of two odd numbers is always ____.
5. The product of an odd number and an even number is always ____.

×	1	2	3	4	5	6
1	1	2	3	4	5	6
2	2		6		10	
3	3	6	9	12	15	18
4	4		12	16	20	24
5	5	10	15	20	25	30
6	6		18	24	30	36