

**Homework**

Use this chart to practice your 6s count-bys, multiplications, and divisions. Then have your Homework Helper test you.

	× In Order	× Mixed Up	÷ Mixed Up
<b>6s</b>	$1 \times 6 = 6$	$2 \times 6 = 12$	$18 \div 6 = 3$
	$2 \times 6 = 12$	$8 \times 6 = 48$	$60 \div 6 = 10$
	$3 \times 6 = 18$	$5 \times 6 = 30$	$30 \div 6 = 5$
	$4 \times 6 = 24$	$9 \times 6 = 54$	$48 \div 6 = 8$
	$5 \times 6 = 30$	$1 \times 6 = 6$	$12 \div 6 = 2$
	$6 \times 6 = 36$	$7 \times 6 = 42$	$6 \div 6 = 1$
	$7 \times 6 = 42$	$4 \times 6 = 24$	$36 \div 6 = 6$
	$8 \times 6 = 48$	$3 \times 6 = 18$	$24 \div 6 = 4$
	$9 \times 6 = 54$	$10 \times 6 = 60$	$54 \div 6 = 9$
	$10 \times 6 = 60$	$6 \times 6 = 36$	$42 \div 6 = 7$

**Homework**

Multiply or divide to find the unknown numbers.  
Then check your answers at the bottom of this page.

1.  $5 \times 5 = \square$

2.  $12 \div 6 = \square$

3.  $7 * 4 = \square$

4.  $42 / 6 = \square$

5.  $6 \cdot \square = 48$

6.  $\frac{6}{1} = \square$

7.  $10 \times 6 = \square$

8.  $\begin{array}{r} \square \\ 9 \overline{)27} \end{array}$

9.  $6 \times 0 = \square$

10.  $20 / 4 = \square$

11.  $6 \cdot 6 = \square$

12.  $18 \div 3 = \square$

13.  $9 * \square = 54$

14.  $\frac{60}{6} = \square$

15.  $2 \cdot 7 = \square$

16.  $16 / 4 = \square$

17.  $6 \div 6 = \square$

18.  $6 * 7 = \square$

19.  $\square \times 7 = 0$

20.  $\begin{array}{r} \square \\ 9 \overline{)45} \end{array}$

21.  $1 \times \square = 10$

1. 25 2. 2 3. 28 4. 7 5. 8 6. 6 7. 60 8. 3 9. 0 10. 5 11. 36  
12. 6 13. 6 14. 10 15. 14 16. 4 17. 1 18. 42 19. 0 20. 5 21. 10

**Homework****Study Plan**

Homework Helper

**Find the unknown number.**

1.  $6 \times \square = 54$

2.  $\square \times 7 = 42$

3.  $6 \times \square = 18$

4.  $\square \div 6 = 8$

5.  $36 \div \square = 6$

6.  $\square \div 6 = 5$

**Solve each problem.**

7. Tim has 6 cats and 4 birds for pets. How many pets does Tim have?

\_\_\_\_\_

8. Six friends decided to go to the movies. If each person spent \$9 to buy tickets, what was the total amount of money spent on tickets?

\_\_\_\_\_

9. Jing charges \$7 for each lawn she mows. Last week, she mowed 6 lawns. How much money did she earn from mowing lawns?

\_\_\_\_\_

10. The grocery store is having a sale on six-packs of bottled water. Raj bought 48 bottles in all. How many six-packs did he buy?

\_\_\_\_\_

11. The desks in Ms. Toledo's classroom are arranged in 6 equal rows. There are 30 desks in the room. How many desks are in each row?

\_\_\_\_\_

12. Kendall arranged her pennies in an array with 6 rows and 6 columns. How many pennies does Kendall have?

\_\_\_\_\_

## Remembering

Multiply or divide to find the unknown numbers.

1.  $35 \div 5 = \square$

2.  $2 * \square = 16$

3.  $5 \overline{)10} = \square$

Write an equation and solve the problem.

4. Olivia arranges strawberries on her plate. She arranges them in 5 rows and 1 column. How many strawberries does she arrange on her plate?
- 

Read each problem and decide what type of problem it is.

Write the letter from the list below. Then write an equation and solve the problem.

- a. Array Multiplication
- b. Array Division
- c. Equal Groups of Multiplication
- d. Equal Groups Division with Unknown Group Size
- e. Equal Groups Division with an Unknown Multiplier (number of groups)

5. The store owner has 32 new CDs. She divides them equally among 4 shelves. How many CDs are on each shelf?
- 

6. Evan has 5 notebooks. There are 4 dividers in each notebook. How many dividers are in the notebooks?
- 

7. **Stretch Your Thinking** Anna has 12 baseballs to display in her store window. She wants to display them in equal groups. List all the ways Anna can display the baseballs in which each group has the same number of baseballs.
- 
- 
-

# Homework

## Home Study Sheet C

6s		
Count-bys	Mixed Up $\times$	Mixed Up $\div$
$1 \times 6 = 6$	$10 \times 6 = 60$	$54 \div 6 = 9$
$2 \times 6 = 12$	$8 \times 6 = 48$	$30 \div 6 = 5$
$3 \times 6 = 18$	$2 \times 6 = 12$	$12 \div 6 = 2$
$4 \times 6 = 24$	$6 \times 6 = 36$	$60 \div 6 = 10$
$5 \times 6 = 30$	$4 \times 6 = 24$	$48 \div 6 = 8$
$6 \times 6 = 36$	$1 \times 6 = 6$	$36 \div 6 = 6$
$7 \times 6 = 42$	$9 \times 6 = 54$	$6 \div 6 = 1$
$8 \times 6 = 48$	$3 \times 6 = 18$	$42 \div 6 = 7$
$9 \times 6 = 54$	$7 \times 6 = 42$	$18 \div 6 = 3$
$10 \times 6 = 60$	$5 \times 6 = 30$	$24 \div 6 = 4$

7s		
Count-bys	Mixed Up $\times$	Mixed Up $\div$
$1 \times 7 = 7$	$6 \times 7 = 42$	$70 \div 7 = 10$
$2 \times 7 = 14$	$8 \times 7 = 56$	$14 \div 7 = 2$
$3 \times 7 = 21$	$5 \times 7 = 35$	$28 \div 7 = 4$
$4 \times 7 = 28$	$9 \times 7 = 63$	$56 \div 7 = 8$
$5 \times 7 = 35$	$4 \times 7 = 28$	$42 \div 7 = 6$
$6 \times 7 = 42$	$10 \times 7 = 70$	$63 \div 7 = 9$
$7 \times 7 = 49$	$3 \times 7 = 21$	$21 \div 7 = 3$
$8 \times 7 = 56$	$1 \times 7 = 7$	$49 \div 7 = 7$
$9 \times 7 = 63$	$7 \times 7 = 49$	$7 \div 7 = 1$
$10 \times 7 = 70$	$2 \times 7 = 14$	$35 \div 7 = 5$

8s		
Count-bys	Mixed Up $\times$	Mixed Up $\div$
$1 \times 8 = 8$	$6 \times 8 = 48$	$16 \div 8 = 2$
$2 \times 8 = 16$	$10 \times 8 = 80$	$40 \div 8 = 5$
$3 \times 8 = 24$	$7 \times 8 = 56$	$72 \div 8 = 9$
$4 \times 8 = 32$	$2 \times 8 = 16$	$32 \div 8 = 4$
$5 \times 8 = 40$	$4 \times 8 = 32$	$8 \div 8 = 1$
$6 \times 8 = 48$	$8 \times 8 = 64$	$80 \div 8 = 10$
$7 \times 8 = 56$	$5 \times 8 = 40$	$64 \div 8 = 8$
$8 \times 8 = 64$	$10 \times 8 = 80$	$24 \div 8 = 3$
$9 \times 8 = 72$	$3 \times 8 = 24$	$56 \div 8 = 7$
$10 \times 8 = 80$	$1 \times 8 = 8$	$48 \div 8 = 6$

squares		
Count-bys	Mixed Up $\times$	Mixed Up $\div$
$1 \times 1 = 1$	$3 \times 3 = 9$	$25 \div 5 = 5$
$2 \times 2 = 4$	$9 \times 9 = 81$	$4 \div 2 = 2$
$3 \times 3 = 9$	$4 \times 4 = 16$	$81 \div 9 = 9$
$4 \times 4 = 16$	$6 \times 6 = 36$	$9 \div 3 = 3$
$5 \times 5 = 25$	$2 \times 2 = 4$	$36 \div 6 = 6$
$6 \times 6 = 36$	$7 \times 7 = 49$	$100 \div 10 = 10$
$7 \times 7 = 49$	$10 \times 10 = 100$	$16 \div 4 = 4$
$8 \times 8 = 64$	$1 \times 1 = 1$	$49 \div 7 = 7$
$9 \times 9 = 81$	$5 \times 5 = 25$	$1 \div 1 = 1$
$10 \times 10 = 100$	$8 \times 8 = 64$	$64 \div 8 = 8$

# Homework

Multiply or divide to find the unknown numbers.  
Then check your answers at the bottom of this page.

1.  $6 \times 6 = \square$

2.  $20 \div 4 = \square$

3.  $9 \times 9 = \square$

4.  $32 \div 4 = \square$

5.  $9 \cdot \square = 54$

6.  $\frac{30}{10} = \square$

7.  $5 \times 0 = \square$

8.  $\frac{48}{6} = \square$

9.  $3 \times 6 = \square$

10.  $\square \overline{)30}$

11.  $8 \cdot 4 = \square$

12.  $12 \div 6 = \square$

13.  $6 \cdot \square = 42$

14.  $\frac{6}{6} = \square$

15.  $3 \cdot 4 = \square$

16.  $15 \div 5 = \square$

17.  $10 \div 10 = \square$

18.  $2 \cdot 7 = \square$

19.  $\square \times 2 = 10$

20.  $\square \overline{)18}$

21.  $10 \times \square = 70$

1. 36 2. 5 3. 81 4. 8 5. 6 6. 3 7. 0 8. 8 9. 18 10. 5 11. 32  
12. 2 13. 7 14. 1 15. 12 16. 3 17. 1 18. 14 19. 5 20. 3 21. 7

**Homework****Study Plan**

Homework Helper

Complete each Unknown Number puzzle.

1.

×			6
9	36		
2			
	12	9	

2.

×	7		6
	28		24
6		30	
	56		48

3.

×			4
5		30	
7	56	42	
			12

Solve each problem. Label your answers with the correct units.

4. Raul built a rectangular tabletop with a length of 3 feet and a width of 6 feet. What is the area of the tabletop?

\_\_\_\_\_

5. Li Fong covered the rectangular floor of his tree house with 48 square feet of carpeting. If one side of the floor has a length of 6 feet, what is the length of the adjacent side?

\_\_\_\_\_

6. Frances wants to paint a rectangular wall that has a width of 8 feet and a height of 9 feet. She has a quart of paint that will cover 85 square feet. What is the area of the wall? Does Frances have enough paint?

\_\_\_\_\_

7. Willis cut out a paper rectangle with an area of 42 square centimeters. If one side has a length of 6 centimeters, what is the length of the adjacent side?

\_\_\_\_\_

## Remembering

Complete.

1.  $3 \times (5 \times 1) = \square$

2.  $(2 \times 5) \times 3 = \square$

3.  $(0 \times 4) \times 9 = \square$

4.  $22 \times 1 = \square$

5.  $4 \times 7 = 7 \times \square = \square$

6.  $(3 \times 3) \times 6 = \square$

Read the problem and decide what type of problem it is. Write the letter from the list below. Then write an equation and solve the problem.

- a. Array Multiplication
- b. Array Division
- c. Equal Groups of Multiplication
- d. Equal Division with Unknown Group Size
- e. Equal Division with an Unknown Multiplier (number of groups)

7. Andrew has 18 invitations to write. If he writes 3 invitations a day, how many days will it take him to finish?

\_\_\_\_\_

Solve each problem.

8. Brian buys 6 video games. They cost \$10 each. How much does he spend on the video games?

\_\_\_\_\_

9. Sharon plants 48 rose bushes. Each row has 6 rose bushes. How many rows of rose bushes does Sharon plant?

\_\_\_\_\_

10. **Stretch Your Thinking** Ming's rug has a length that is 2 times its width. The area of the rug is 8 square feet. What is the length and width of Ming's rug?

\_\_\_\_\_

**Homework**

Use this chart to practice your 8s count-bys, multiplications, and divisions. Then have your Homework Helper test you.

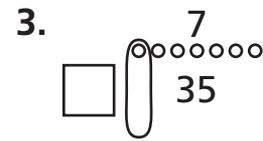
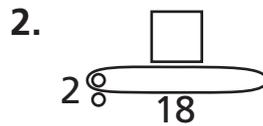
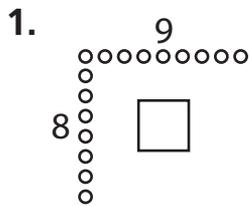
	× In Order	× Mixed Up	÷ Mixed Up
<b>8s</b>	$1 \times 8 = 8$	$3 \times 8 = 24$	$40 \div 8 = 5$
	$2 \times 8 = 16$	$9 \times 8 = 72$	$56 \div 8 = 7$
	$3 \times 8 = 24$	$6 \times 8 = 48$	$24 \div 8 = 3$
	$4 \times 8 = 32$	$4 \times 8 = 32$	$72 \div 8 = 9$
	$5 \times 8 = 40$	$2 \times 8 = 16$	$8 \div 8 = 1$
	$6 \times 8 = 48$	$8 \times 8 = 64$	$48 \div 8 = 6$
	$7 \times 8 = 56$	$1 \times 8 = 8$	$32 \div 8 = 4$
	$8 \times 8 = 64$	$5 \times 8 = 40$	$64 \div 8 = 8$
	$9 \times 8 = 72$	$10 \times 8 = 80$	$16 \div 8 = 2$
	$10 \times 8 = 80$	$7 \times 8 = 56$	$80 \div 8 = 10$

**Homework****Home Check Sheet 7: 6s and 8s**

<b>6s Multiplications</b>	<b>6s Divisions</b>	<b>8s Multiplications</b>	<b>8s Divisions</b>
$10 \times 6 = 60$	$24 \div 6 = 4$	$2 \times 8 = 16$	$72 \div 8 = 9$
$6 \cdot 4 = 24$	$48 \div 6 = 8$	$8 \cdot 10 = 80$	$16 \div 8 = 2$
$6 * 7 = 42$	$60 \div 6 = 10$	$3 * 8 = 24$	$40 \div 8 = 5$
$2 \times 6 = 12$	$12 \div 6 = 2$	$9 \times 8 = 72$	$8 \div 8 = 1$
$6 \cdot 5 = 30$	$42 \div 6 = 7$	$8 \cdot 4 = 32$	$80 \div 8 = 10$
$6 * 8 = 48$	$30 \div 6 = 5$	$8 * 7 = 56$	$48 \div 8 = 6$
$9 \times 6 = 54$	$6 \div 6 = 1$	$5 \times 8 = 40$	$56 \div 8 = 7$
$6 \cdot 1 = 6$	$18 \div 6 = 3$	$8 \cdot 6 = 48$	$24 \div 8 = 3$
$6 * 6 = 36$	$54 \div 6 = 9$	$1 * 8 = 8$	$64 \div 8 = 8$
$6 \times 3 = 18$	$36 \div 6 = 6$	$8 \times 8 = 64$	$32 \div 8 = 4$
$6 \cdot 6 = 36$	$48 \div 6 = 8$	$4 \cdot 8 = 32$	$80 \div 8 = 10$
$5 * 6 = 30$	$12 \div 6 = 2$	$6 * 8 = 48$	$56 \div 8 = 7$
$6 \times 2 = 12$	$24 \div 6 = 4$	$8 \times 3 = 24$	$8 \div 8 = 1$
$4 \cdot 6 = 24$	$60 \div 6 = 10$	$7 \cdot 8 = 56$	$24 \div 8 = 3$
$6 * 9 = 54$	$6 \div 6 = 1$	$8 * 2 = 16$	$64 \div 8 = 8$
$8 \times 6 = 48$	$42 \div 6 = 7$	$8 \times 9 = 72$	$16 \div 8 = 2$
$7 \cdot 6 = 42$	$18 \div 6 = 3$	$8 \cdot 1 = 8$	$72 \div 8 = 9$
$6 * 10 = 60$	$36 \div 6 = 6$	$8 * 8 = 64$	$32 \div 8 = 4$
$1 \times 6 = 6$	$30 \div 6 = 5$	$10 \times 8 = 80$	$40 \div 8 = 5$
$4 \cdot 6 = 24$	$54 \div 6 = 9$	$5 \cdot 8 = 40$	$48 \div 8 = 6$

**Homework****Study Plan**

Homework Helper

**Find the unknown number for each Fast-Array Drawing.****Write an equation and solve the problem.**

4. Tyrone planted 3 seeds every day for 8 days. How many seeds did Tyrone plant?
- \_\_\_\_\_

5. There are 6 players on a volleyball team. How many players are in a game with 2 teams?
- \_\_\_\_\_

6. Joseph gave his 6 nephews \$48 for helping him clean out the garage. The boys divided the money equally. How much money did each boy get?
- \_\_\_\_\_

7. Miki has 3 planting boxes for her flowers. Each box is 4 feet wide and 8 feet long. How much area for planting flowers does Miki have altogether?
- \_\_\_\_\_

## Remembering

Write an equation and solve the problem.

*Show your work.*

1. There are 0 tickets available. There are 6 people in line to purchase tickets. How many tickets did they purchase?
- 

Read each problem and decide what type of problem it is. Write the letter from the list below. Then write an equation and solve the problem.

- a. Array Multiplication
- b. Array Division
- c. Equal Groups of Multiplication
- d. Equal Groups Division with Unknown Group Size
- e. Equal Groups Division with an Unknown Multiplier (number of groups)

2. Owen orders 9 boxes of hammers for the hardware store. Each box has 10 hammers. How many hammers does Owen order?
- 
3. Tameka has 12 granola bars for the bake sale. She puts 4 granola bars on each plate. How many plates does she fill?
- 

Complete each Unknown Number puzzle.

4.

×		5	
	12		36
6			
2	6		

5.

×	2		6
		45	
3		27	
		63	42

6.

×		7	3
	20		15
9		63	
	24		

7. **Stretch Your Thinking** A pizza parlor has 8 different toppings and 3 different cheeses to choose from on the menu. How many pizza combinations are possible if each pizza has 1 topping and 1 cheese?
-

**Homework****Study Plan**

Homework Helper

**Solve. Then circle what type it is and what operation you used.**

1. The area of a photograph is 15 square inches. If the width of the photograph is 3 inches, what is its length?

\_\_\_\_\_

array    equal groups    area  
multiplication    division

2. Mrs. Divita divided 64 beetles equally among the 8 students in the science club. How many beetles did each student receive?

\_\_\_\_\_

array    equal groups    area  
multiplication    division

3. Write your own problem that is the same type as Problem 1.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

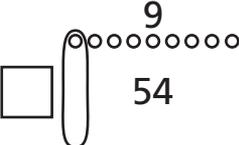
4. Write your own problem that is the same type as Problem 2.

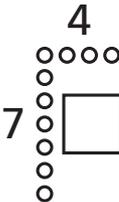
\_\_\_\_\_

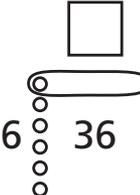
\_\_\_\_\_

\_\_\_\_\_

**Find the unknown number for each Fast-Array Drawing.**

5. 

6. 

7. 

# Remembering

Write an equation and solve the problem.

Show your work.

1. Lucy puts 54 pictures in her photo album. She puts 9 photos on each page. How many pages does she fill?

\_\_\_\_\_

2. Chris sets up 8 chairs in each row. He sets up 7 rows. How many chairs does Chris set up?

\_\_\_\_\_

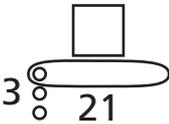
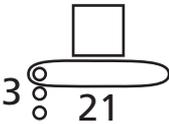
3. Trina places 4 peaches in each gift basket. She puts together 9 gift baskets to sell in her store. How many peaches does Trina use?

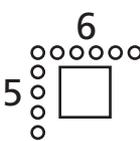
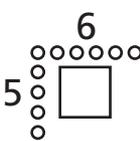
\_\_\_\_\_

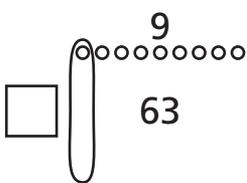
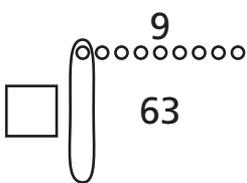
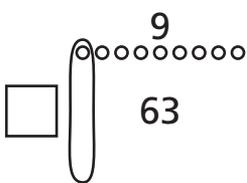
4. Jorge has 15 science fair awards. He wants to display the same number of awards among 3 shelves. How many awards should he put on each shelf?

\_\_\_\_\_

Find the unknown number for each Fast Array Drawing.

5.  3  21

6.  5  6

7.   9  63

8. **Stretch Your Thinking** Write a real world problem and equation using  $t = 5$ .

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Homework**

Use this chart to practice your 7s count-bys, multiplications, and divisions. Then have your Homework Helper test you.

	× In Order	× Mixed Up	÷ Mixed Up
<b>7s</b>	$1 \times 7 = 7$	$5 \times 7 = 35$	$56 \div 7 = 8$
	$2 \times 7 = 14$	$1 \times 7 = 7$	$42 \div 7 = 6$
	$3 \times 7 = 21$	$10 \times 7 = 70$	$14 \div 7 = 2$
	$4 \times 7 = 28$	$2 \times 7 = 14$	$7 \div 7 = 1$
	$5 \times 7 = 35$	$9 \times 7 = 63$	$70 \div 7 = 10$
	$6 \times 7 = 42$	$3 \times 7 = 21$	$49 \div 7 = 7$
	$7 \times 7 = 49$	$8 \times 7 = 56$	$21 \div 7 = 3$
	$8 \times 7 = 56$	$4 \times 7 = 28$	$35 \div 7 = 5$
	$9 \times 7 = 63$	$7 \times 7 = 49$	$63 \div 7 = 9$
	$10 \times 7 = 70$	$6 \times 7 = 42$	$28 \div 7 = 4$

**Homework**

Multiply or divide to find the unknown numbers. Then check your answers at the bottom of this page.

1.  $7 \times 7 = \square$

2.  $\frac{64}{8} = \square$

3.  $5 \times 5 = \square$

4.  $28 \div 7 = \square$

5.  $9 \cdot \square = 27$

6.  $\frac{48}{6} = \square$

7.  $\square \times 9 = 63$

8.  $\begin{array}{r} \square \\ 7 \overline{)56} \end{array}$

9.  $10 \times \square = 30$

10.  $8 \times 5 = \square$

11.  $21 \div 3 = \square$

12.  $9 * 2 = \square$

13.  $30 \div 6 = \square$

14.  $8 \cdot 5 = \square$

15.  $24 \div 3 = \square$

16.  $\begin{array}{r} \square \\ 3 \overline{)21} \end{array}$

17.  $90 \div 9 = \square$

18.  $2 * 7 = \square$

19.  $6 * \square = 42$

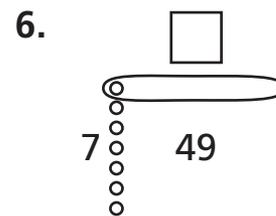
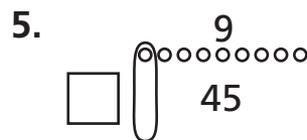
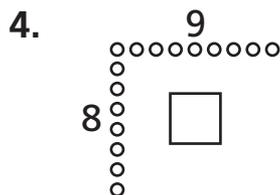
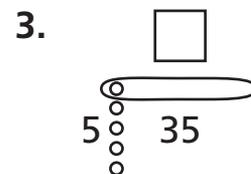
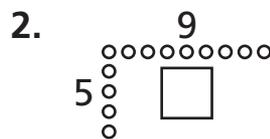
20.  $\frac{10}{2} = \square$

21.  $3 \cdot 9 = \square$

1. 49 2. 8 3. 25 4. 4 5. 3 6. 8 7. 7 8. 8 9. 3 10. 40 11. 7  
12. 18 13. 5 14. 40 15. 8 16. 7 17. 10 18. 14 19. 7 20. 5 21. 27

**Homework****Study Plan**

Homework Helper

**Find the unknown number for each Fast-Array Drawing.****Solve. Label your answers.**

7. Rachel plans to fence in an area 7 meters long by 7 meters wide for her dog to run in. How much area will her dog have to run in?

\_\_\_\_\_

8. Shondra has 21 tropical fish. If she divides them evenly among 3 tanks, how many fish will be in each tank?

\_\_\_\_\_

9. Write a word problem that involves an array and multiplication. Write your problem on a separate sheet of paper for your teacher to collect.

## Remembering

Write an equation and solve the problem.

*Show your work.*

1. Sara picks 48 apples. She puts 6 apples in each basket. How many baskets does she fill?

\_\_\_\_\_

2. Mrs. Lin places 5 pencils at each table in the classroom. There are 7 tables in the classroom. How many pencils does Mrs. Lin place on the tables?

\_\_\_\_\_

3. Gibson has an assignment to read 8 pages in his reading book. It takes him 2 minutes to read each page. How many minutes will it take him to finish the reading assignment?

\_\_\_\_\_

4. There are 4 paper towel rolls in each package. There are 7 packages of paper towel rolls on the shelf. How many paper towel rolls are on the shelf?

\_\_\_\_\_

Solve. Then circle what type it is and what operation you used.

5. The area of the paper is 80 square inches. If the width of the paper is 8 inches, what is its length?

\_\_\_\_\_

array      equal groups      area  
multiplication      division

6. The desks are in 6 rows, with 5 desks in each row. How many desks are in the classroom?

\_\_\_\_\_

array      equal groups      area  
multiplication      division

7. **Stretch Your Thinking** Write a word problem using 7 groups. Solve your problem.

\_\_\_\_\_

\_\_\_\_\_

**Homework****Home Check Sheet 8: 7s and Squares**

<b>7s Multiplications</b>	<b>7s Divisions</b>	<b>Squares Multiplications</b>	<b>Squares Divisions</b>
$4 \times 7 = 28$	$14 / 7 = 2$	$8 \times 8 = 64$	$81 / 9 = 9$
$7 \bullet 2 = 14$	$28 \div 7 = 4$	$10 \bullet 10 = 100$	$4 \div 2 = 2$
$7 * 8 = 56$	$70 / 7 = 10$	$3 * 3 = 9$	$25 / 5 = 5$
$7 \times 7 = 49$	$56 \div 7 = 8$	$9 \times 9 = 81$	$1 \div 1 = 1$
$7 \bullet 1 = 7$	$42 / 7 = 6$	$4 \bullet 4 = 16$	$100 / 10 = 10$
$7 * 10 = 70$	$63 \div 7 = 9$	$7 * 7 = 49$	$36 \div 6 = 6$
$3 \times 7 = 21$	$7 / 7 = 1$	$5 \times 5 = 25$	$49 / 7 = 7$
$7 \bullet 6 = 42$	$49 \div 7 = 7$	$6 \bullet 6 = 36$	$9 \div 3 = 3$
$5 * 7 = 35$	$21 / 7 = 3$	$1 * 1 = 1$	$64 / 8 = 8$
$7 \times 9 = 63$	$35 / 7 = 5$	$5 * 5 = 25$	$16 / 4 = 4$
$7 \bullet 4 = 28$	$7 \div 7 = 1$	$1 \bullet 1 = 1$	$100 \div 10 = 10$
$9 * 7 = 63$	$63 / 7 = 9$	$3 \bullet 3 = 9$	$49 / 7 = 7$
$2 \times 7 = 14$	$14 \div 7 = 2$	$10 \times 10 = 100$	$1 \div 1 = 1$
$7 \bullet 5 = 35$	$70 / 7 = 10$	$4 \times 4 = 16$	$9 / 3 = 3$
$8 * 7 = 56$	$21 \div 7 = 3$	$9 * 9 = 81$	$64 \div 8 = 8$
$7 \times 3 = 21$	$49 / 7 = 7$	$2 \times 2 = 4$	$4 / 2 = 2$
$6 \bullet 7 = 42$	$28 \div 7 = 4$	$6 * 6 = 36$	$81 \div 9 = 9$
$10 * 7 = 70$	$56 \div 7 = 8$	$7 \times 7 = 49$	$16 \div 4 = 4$
$1 \times 7 = 7$	$35 / 7 = 5$	$5 \bullet 5 = 25$	$25 / 5 = 5$
$7 \bullet 7 = 49$	$42 \div 7 = 6$	$8 \bullet 8 = 64$	$36 \div 6 = 6$

# Homework

Multiply or divide to find the unknown numbers. Then check your answers at the bottom of this page.

1.  $\square \times 6 = 48$

2.  $56 \div 7 = \square$

3.  $10 \times \square = 90$

4.  $64 \div 8 = \square$

5.  $9 \cdot \square = 63$

6.  $\frac{25}{5} = \square$

7.  $8 \times 9 = \square$

8.  $\begin{array}{r} \square \\ 9 \overline{)36} \end{array}$

9.  $7 * 7 = \square$

10.  $6 * \square = 36$

11.  $\frac{32}{4} = \square$

12.  $3 \cdot 3 = \square$

13.  $30 \div 6 = \square$

14.  $16 \div 4 = \square$

15.  $8 * 5 = \square$

16.  $6 \times 4 = \square$

17.  $\frac{81}{9} = \square$

18.  $5 \times 7 = \square$

19.  $60 \div 6 = \square$

20.  $7 \cdot 8 = \square$

21.  $42 \div 7 = \square$

22.  $\begin{array}{r} \square \\ 6 \overline{)54} \end{array}$

23.  $32 \div 8 = \square$

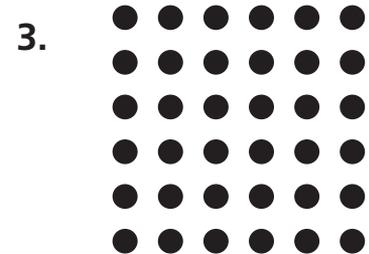
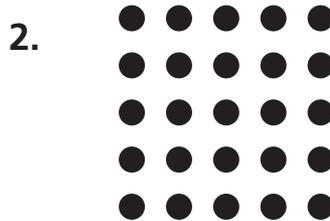
24.  $9 * 9 = \square$

1. 8 2. 8 3. 9 4. 8 5. 7 6. 5 7. 7 8. 4 9. 49 10. 6 11. 8 12. 9  
 13. 5 14. 4 15. 40 16. 24 17. 9 18. 35 19. 10 20. 56 21. 6 22. 9  
 23. 4 24. 81

**Homework****Study Plan**

Homework Helper

Write a multiplication equation for each square array.



Solve.

4. Julia used 1 foot square stone tiles to make a patio. She laid the tiles in a square, 7 tiles wide by 7 tiles long. What is the area of Julia's new patio?

5. Sal brought 2 dozen apples to a science club meeting. He divided the apples equally among the 8 people there. How many apples did he give each person?

6. Leahie has 21 crystals in her collection. Her brother Tomer has 7 crystals. How many more crystals does Leahie have than Tomer?

7. Emmanuel collected 49 leaves last week. He collected the same number of leaves each day. How many leaves did he collect on Monday?

Complete.

8. 

×	6	4	
	24		32

9. 

×		4	
9	45		81

10. 

×	8		3
8		56	

## Remembering

Write an equation and solve the problem.

Show your work.

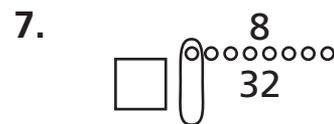
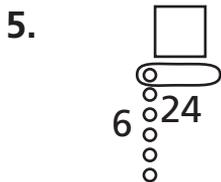
1. There are 5 birch trees in each row at the nursery. There are 9 rows of birch trees. How many birch trees are in the nursery?
- 

2. There are 54 dictionaries in the library. There are 6 shelves of dictionaries. Each shelf has the same number of dictionaries. How many dictionaries are on each shelf?
- 

3. Samuel orders 6 boxes of robots for his store. There are 4 robots in each box. How many robots does Samuel order?
- 

4. A pet store has 24 tiger fish in 3 aquariums. Each aquarium has the same number of tiger fish. How many tiger fish are in each aquarium?
- 

Find the unknown number for each Fast Array Drawing.



8. **Stretch Your Thinking** Explain two different squares that can be made using the number 9.
-

**Homework****Home Check Sheet 9: 6s, 7s, and 8s**

6s, 7s, and 8s Multiplications	6s, 7s, and 8s Multiplications	6s, 7s, and 8s Divisions	6s, 7s, and 8s Divisions
$1 \times 6 = 6$	$0 \times 8 = 0$	$24 / 6 = 4$	$54 / 6 = 9$
$6 \cdot 7 = 42$	$6 \cdot 2 = 12$	$21 \div 7 = 3$	$24 \div 8 = 3$
$3 * 8 = 24$	$4 * 7 = 28$	$16 / 8 = 2$	$14 / 7 = 2$
$6 \times 2 = 12$	$8 \times 3 = 24$	$24 \div 8 = 3$	$32 \div 8 = 4$
$7 \cdot 5 = 35$	$5 \cdot 6 = 30$	$14 / 7 = 2$	$18 / 6 = 3$
$8 * 4 = 32$	$7 * 2 = 14$	$30 \div 6 = 5$	$56 \div 7 = 8$
$6 \times 6 = 36$	$3 \times 8 = 24$	$35 / 7 = 5$	$40 / 8 = 5$
$8 \cdot 7 = 56$	$6 \cdot 4 = 24$	$24 \div 8 = 3$	$35 \div 7 = 5$
$9 * 8 = 72$	$0 * 7 = 0$	$18 / 6 = 3$	$12 / 6 = 2$
$6 \times 10 = 60$	$8 \times 1 = 8$	$12 / 6 = 2$	$21 / 7 = 3$
$7 \cdot 1 = 7$	$8 \cdot 6 = 48$	$42 \div 7 = 6$	$16 \div 8 = 2$
$8 * 3 = 24$	$7 * 9 = 63$	$56 / 8 = 7$	$42 / 6 = 7$
$5 \times 6 = 30$	$10 \times 8 = 80$	$49 \div 7 = 7$	$80 \div 8 = 10$
$4 \cdot 7 = 28$	$6 \cdot 10 = 60$	$16 / 8 = 2$	$36 / 6 = 6$
$2 * 8 = 16$	$3 * 7 = 21$	$60 \div 6 = 10$	$7 \div 7 = 1$
$7 \times 7 = 49$	$8 \times 4 = 32$	$54 / 6 = 9$	$64 / 8 = 8$
$7 \cdot 6 = 42$	$6 \cdot 5 = 30$	$8 \div 8 = 1$	$24 \div 6 = 4$
$8 * 8 = 64$	$7 * 4 = 28$	$28 \div 7 = 4$	$21 \div 7 = 3$
$9 \times 6 = 54$	$8 \times 8 = 64$	$72 / 8 = 9$	$49 / 7 = 7$
$10 \cdot 7 = 70$	$6 \cdot 9 = 54$	$56 \div 7 = 8$	$24 \div 8 = 3$

**Homework****Home Check Sheet 10: 0s–10s**

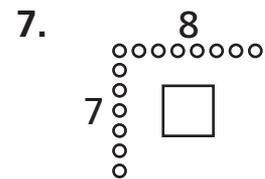
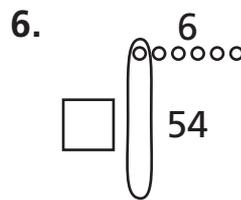
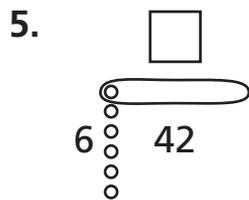
<b>0s–10s Multiplications</b>	<b>0s–10s Multiplications</b>	<b>0s–10s Divisions</b>	<b>0s–10s Divisions</b>
$9 \times 0 = 0$	$9 \times 4 = 36$	$9 / 1 = 9$	$90 / 10 = 9$
$1 \cdot 1 = 1$	$5 \cdot 9 = 45$	$12 \div 3 = 4$	$64 \div 8 = 8$
$2 * 3 = 6$	$6 * 10 = 60$	$14 / 2 = 7$	$15 / 5 = 3$
$1 \times 3 = 3$	$7 \times 3 = 21$	$20 \div 4 = 5$	$12 \div 6 = 2$
$5 \cdot 4 = 20$	$5 \cdot 3 = 15$	$10 / 5 = 2$	$14 / 7 = 2$
$7 * 5 = 35$	$4 * 1 = 4$	$48 \div 8 = 6$	$45 \div 9 = 5$
$6 \times 9 = 54$	$7 \times 5 = 35$	$35 / 7 = 5$	$8 / 1 = 8$
$4 \cdot 7 = 28$	$6 \cdot 3 = 18$	$60 \div 6 = 10$	$30 \div 3 = 10$
$1 * 8 = 8$	$8 * 7 = 56$	$81 / 9 = 9$	$16 / 4 = 4$
$9 \times 8 = 72$	$5 \times 8 = 40$	$20 / 10 = 2$	$8 / 2 = 4$
$2 \cdot 10 = 20$	$9 \cdot 9 = 81$	$16 \div 2 = 8$	$80 \div 10 = 8$
$0 * 7 = 0$	$9 * 10 = 90$	$30 / 5 = 6$	$36 / 4 = 9$
$4 \times 1 = 4$	$0 \times 0 = 0$	$49 \div 7 = 7$	$25 \div 5 = 5$
$2 \cdot 4 = 8$	$1 \cdot 0 = 0$	$60 / 6 = 10$	$42 / 7 = 6$
$10 * 3 = 30$	$1 * 6 = 6$	$30 \div 3 = 10$	$36 \div 6 = 6$
$8 \times 4 = 32$	$7 \times 2 = 14$	$8 / 1 = 8$	$90 / 9 = 10$
$5 \cdot 8 = 40$	$6 \cdot 3 = 18$	$16 \div 4 = 4$	$24 \div 8 = 3$
$4 * 6 = 24$	$4 * 5 = 20$	$16 \div 8 = 2$	$6 \div 2 = 3$
$7 \times 6 = 42$	$6 \times 6 = 36$	$40 / 10 = 4$	$9 / 3 = 3$
$1 \cdot 8 = 8$	$10 \cdot 7 = 70$	$36 \div 9 = 4$	$1 \div 1 = 1$

**Homework****Study Plan**

Homework Helper

**Solve.**

- Sarah's chickens laid 3 dozen eggs over the weekend. She divided them equally into cartons to give away to her 6 closest neighbors. How many eggs did she put in each carton?  
\_\_\_\_\_
- Latisha needs 60 square feet of cloth. She has a rectangular piece of cloth that measures 3 feet by 9 feet, and a square piece that measures 5 feet on a side. Does she have enough cloth? If not, how much more does she need?  
\_\_\_\_\_
- Lucy has 6 sheets of stickers. Each sheet has 8 stickers. How many stickers does Lucy have?  
\_\_\_\_\_
- A park ranger led 3 groups of hikers. There were 7 people in each group. How many hikers did she lead?  
\_\_\_\_\_

**Find the unknown number for each Fast-Array.**

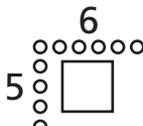
# Remembering

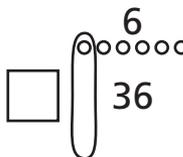
Write an equation and solve the problem.

1. Adam has 60 plates. He places 10 plates on each table. How many tables does Adam place plates on?
- \_\_\_\_\_

2. Hailey draws 35 leaves on her tree. She draws 5 leaves on each branch. How many branches are on her tree?
- \_\_\_\_\_

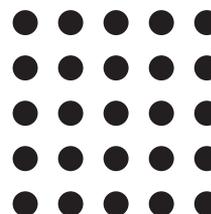
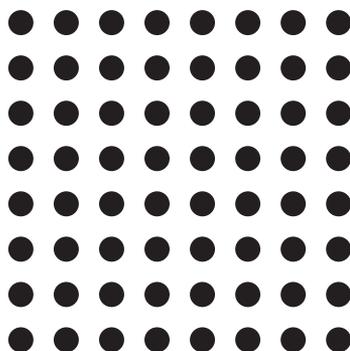
Find the unknown number for each Fast Array Drawing.

3. 

4. 

5. 

Write a multiplication equation for each array.



6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. **Stretch Your Thinking** Draw a picture to show  $7 \times 7$ .

**Homework****Study Plan**

\_\_\_\_\_ Homework Helper

**Write an equation to solve the problem.**

1. Maria created artwork by placing all of her seashells in 4 rows on a wall. In each row, she arranged 8 seashells. How many seashells did Maria collect in all?
- \_\_\_\_\_

2. Arturo collected 18 seashells. He wants to divide the seashells evenly among his 3 best friends. How many seashells will each friend receive?
- \_\_\_\_\_

**Use the pictograph and key to solve.**

Katie planted pumpkins in the spring. Now she is selling them. This pictograph shows how many pumpkins she sold this weekend.

Friday	   
Saturday	      
Sunday	  

Key:  = 6 pumpkins

3. How many pumpkins did Katie sell on Friday?
- \_\_\_\_\_

4. How many more pumpkins did she sell on Saturday than on Friday?
- \_\_\_\_\_

5. How many pumpkins did Katie sell this weekend?
- \_\_\_\_\_

## Remembering

Write an equation and solve the problem.

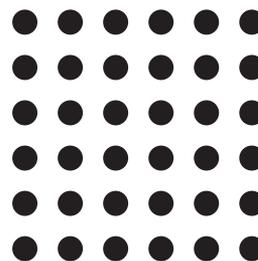
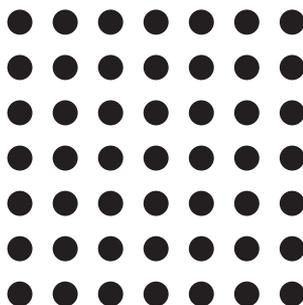
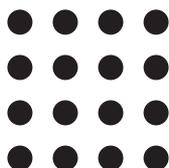
1. The fitness instructor puts the class into 10 rows. There are 6 people in each row. How many people are in the class?

\_\_\_\_\_

2. Jared has 40 stars. He puts the same number of stars in each of 5 rows. How many stars are in each row?

\_\_\_\_\_

Write a multiplication equation for each array.



3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

Solve.

6. Amanda has 8 boxes of markers. Each box has 7 markers. How many markers in all are in the boxes?

\_\_\_\_\_

7. Alex has 7 shirts. He sews 6 buttons on each shirt. How many buttons does Alex sew on the shirts?

\_\_\_\_\_

8. **Stretch Your Thinking** Write a word problem with 16 for the product.

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Homework****Study Plan**

Homework Helper

**Write an equation and solve the problem.**

1. Robert planted 7 trees behind Westwood School. He planted 6 times as many trees in front of the school. How many trees did he plant in front?
- \_\_\_\_\_

2. Nelson collected 58 cans of food during his town's food drive. Michael collected 67 cans of food. How many cans of food did they collect altogether?
- \_\_\_\_\_

3. On a snorkeling trip, Betina spotted 27 different kinds of fish. That is 3 times as many as her younger sister Lucia spotted. How many different kinds of fish did Lucia spot?
- \_\_\_\_\_

4. Arnon earned \$27 delivering newspapers last week. He spent \$9 on a book about snakes. How much money does he have left?
- \_\_\_\_\_

**Write a question to finish each word problem. Then solve the problem.**

5. Sonya has 272 coins in her collection. Her brother Erez has 298 coins.

Question: \_\_\_\_\_

Solution: \_\_\_\_\_

6. Richard folded 32 shirts and stacked them in 4 equal piles.

Question: \_\_\_\_\_

Solution: \_\_\_\_\_

## Remembering

Write an equation and solve the problem.

1. There are 0 students at the show. The theater had 10 rows of seats. How many students are in each row?

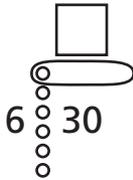
\_\_\_\_\_

2. There are 9 vases. Each vase has 3 flowers. How many flowers in all are in the vases?

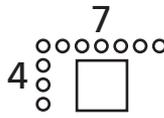
\_\_\_\_\_

Find the unknown number for each Fast Array Drawing.

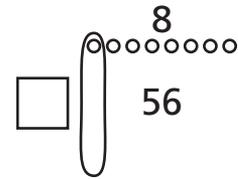
3.



4.



5.



Write an equation to solve the problem.

*Show your work.*

6. The principal buys 20 new games. He divides them evenly among the 4 third grade classes. How many games does each class receive?

\_\_\_\_\_

7. Raj has 4 hooks on his wall. He puts 2 baseball caps on each hook. How many baseball caps does Raj place on the hooks?

\_\_\_\_\_

8. **Stretch Your Thinking** Cecelia says she can use addition to solve multiplication problems. Is Cecelia correct? Explain.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Homework****Study Plan**


---

 Homework Helper

**Write the first step question and answer. Then solve the problem.**

- |  |   |
|--|---|
| <p><b>1.</b> The tour boats at the Laguna can carry 8 passengers. Jacob watched 6 boats float by. One of the boats had 2 empty seats. The others were full. How many passengers were on the 6 boats?</p> <p>_____</p> <p>_____</p> | <p><b>2.</b> Jerome bought 8 packs of baseball cards at a garage sale. Each pack had 10 cards. He gave his younger sister 3 cards from each pack. How many cards does Jerome have left?</p> <p>_____</p> <p>_____</p>                       |
| <p><b>3.</b> Zoe cut a pan of brownies into 4 rows and 6 columns. She divided them evenly among the 8 people at her scout meeting. How many brownies did each person at her scout meeting get?</p> <p>_____</p> <p>_____</p>       | <p><b>4.</b> Four girls helped Mr. Day plant a garden. For their help, he gave the girls \$24 to share equally. Later, Mrs. Day gave each girl \$2 for helping to clean up. How much money did each girl get?</p> <p>_____</p> <p>_____</p> |
| <p><b>5.</b> Grace made 7 bouquets for the bridesmaids in a wedding. She put 3 roses, 4 tulips, and 2 lilies in each bouquet. How many flowers did she use in all?</p> <p>_____</p> <p>_____</p>                                   |   |

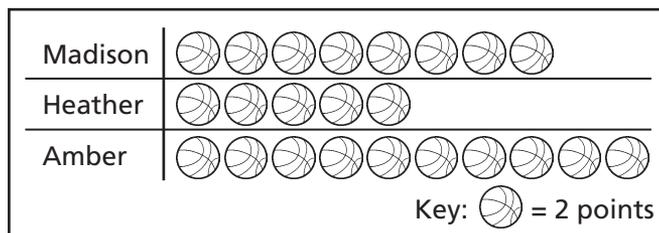
## Remembering

**Write an equation and solve the problem.**

- A toy store owner gives 47 balloons to his customers. He has 7 balloons left. How many balloons did he start with?  
\_\_\_\_\_
- There are 7 rows of sunflowers in the garden. There are 9 sunflowers in each row. How many sunflowers are in the garden?  
\_\_\_\_\_

**Use the pictograph and key to solve.**

The basketball team kept track of how many points some players on the team scored in the last game. This pictograph shows how many points some players scored.



- How many points did Amber score?  
\_\_\_\_\_
- How many more points did Madison score than Heather?  
\_\_\_\_\_

**Write an equation and solve the problem.**

- Rita has 90 pages in her notebook. She uses 39 pages. How many pages are left in her notebook?  
\_\_\_\_\_
- Matt earns \$10 for each lawn he mows. How many lawns would he need to mow to earn \$80?  
\_\_\_\_\_

- Stretch Your Thinking** Write an equation using subtraction and multiplication in which the answer is 36.  
\_\_\_\_\_

**Homework****Study Plan**\_\_\_\_\_  
Homework Helper**Write an equation and solve the problem.**

1. Shamariah collects silk roses. She had 17 silk roses in a vase. Six friends each gave her 3 more roses. How many roses does Shamariah have now?  
\_\_\_\_\_
2. Takala put 9 marbles in the box, Jackie put in 7, and Laird put in 11. Then they divided the marbles evenly among themselves. How many did each person get?  
\_\_\_\_\_
3. A pet store had 9 corn snakes. The snakes laid 8 eggs each. All but 5 of the eggs hatched. How many baby corn snakes does the pet store have?  
\_\_\_\_\_
4. In a paper airplane contest, Amanda's plane flew 19 ft farther than Darren's plane. Darren's plane flew twice as far as Rachel's plane. Rachel's plane flew 20 ft. How far did Amanda's plane fly?  
\_\_\_\_\_
5. Jenna divided 120 daisies into 2 equal groups. Then she divided each group equally into 10 small bunches. She gave her grandmother one small bunch. How many daisies did Jenna give her grandmother?  
\_\_\_\_\_

## Remembering

Write an equation and solve the problem.

1. Lily has 24 classmates. She gives each classmate 1 pencil. How many pencils in all does she give her classmates?  
\_\_\_\_\_
2. There are 50 students on a field trip. The tours let 10 students enter at a time. How many tours will be needed for each student to go on a tour?  
\_\_\_\_\_

Write a question to finish the word problem.

Then solve the problem.

3. The art teacher has 9 boxes of crayons. There are 8 crayons in each box.

Question: \_\_\_\_\_

\_\_\_\_\_

Solution: \_\_\_\_\_

Write the first step question and answer. Then solve the problem.

4. Mr. Garcia buys 8 packages of juice. There are 6 juice boxes in each package. On the field trip, 40 students drink a juice box. How many juice boxes are left?  
\_\_\_\_\_

5. **Stretch Your Thinking** Write a two step word problem that uses multiplication and subtraction. Then solve the two step problem.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Homework****Study Plan**


---

 Homework Helper

Use a basic multiplication and mental math to complete.

1.  $4 \times 4 = \underline{\quad}$

2.  $7 \times 3 = \underline{\quad}$

3.  $6 \times 9 = \underline{\quad}$

$4 \times 40 = \underline{\quad}$

$70 \times 3 = \underline{\quad}$

$6 \times 90 = \underline{\quad}$

4.  $8 \times 7 = \underline{\quad}$

5.  $4 \times 9 = \underline{\quad}$

6.  $2 \times 8 = \underline{\quad}$

$8 \times 70 = \underline{\quad}$

$4 \times 90 = \underline{\quad}$

$20 \times 8 = \underline{\quad}$

7.  $6 \times 5 = \underline{\quad}$

8.  $7 \times 7 = \underline{\quad}$

9.  $5 \times 2 = \underline{\quad}$

$60 \times 5 = \underline{\quad}$

$7 \times 70 = \underline{\quad}$

$50 \times 2 = \underline{\quad}$

10.  $9 \times 80 = \underline{\quad}$

11.  $30 \times 5 = \underline{\quad}$

12.  $6 \times 70 = \underline{\quad}$

13.  $50 \times 4 = \underline{\quad}$

14.  $90 \times 3 = \underline{\quad}$

15.  $8 \times 80 = \underline{\quad}$

Write an equation and solve the problem.

16. Tom bought 3 packages of cards with 20 cards in each package. How many cards did Tom buy altogether?
- \_\_\_\_\_

17. An orchard has 30 rows of apple trees. There are 3 trees in each row. How many apple trees are in the orchard?
- \_\_\_\_\_

## Remembering

**Write an equation and solve the problem.**

1. The students from Ms. Conner's class are at a show. They are sitting in 4 rows. There are 9 students in each row. How many students from Ms. Conner's class are at the show?  
\_\_\_\_\_
2. Jana's mom bakes 15 muffins for the bake sale. She divides them equally among 3 bags. How many muffins are in each bag?  
\_\_\_\_\_

**Write the first step question and answer. Then solve the problem.**

3. Gabbie buys 8 packages of plates. There are 8 plates in each package. After the picnic, Gabbie has 4 plates left. How many of Gabbie's plates were used at the picnic?  
\_\_\_\_\_
4. Colin ties 5 groups of balloons to the fence. There are 3 orange balloons, 2 blue balloons, and 4 green balloons in each group. How many balloons does Colin use?  
\_\_\_\_\_

**Write an equation and solve the problem.**

5. Leanne has 50 red and 22 yellow chenille sticks. She needs 8 chenille sticks for each craft. How many crafts can she make?  
\_\_\_\_\_

6. Mr. Driscoll has 9 reports to grade. There are 6 pages for each report. He grades 12 pages. How many pages does he still have to grade?  
\_\_\_\_\_

7. **Stretch Your Thinking** Write three multiplication equations in which the product will have two zeros. Use 50 as one of the factors.  
\_\_\_\_\_

**Homework****Study Plan**


---

 Homework Helper
**Write an equation and solve the problem.**

1. Julia used square tiles to make a design. She laid the tiles in a square, 8 tiles wide by 8 tiles long. Each tile has an area of 1 square inch. What is the area of Julia's tile design?  
\_\_\_\_\_
2. Bart lives 6 blocks from his grandparents. Melinda lives 8 blocks farther from her grandparents as Bart does. How many blocks does Melinda live from her grandparents?  
\_\_\_\_\_
3. Rose rode the roller coaster 9 times. Leila rode the roller coaster 6 less times than Rose. Joseph rode the roller coaster 5 times as many times as Leila. How many times did Joseph ride the roller coaster?  
\_\_\_\_\_
4. Shondra has 40 roses and 40 lilies. She wants to make 8 bouquets with them, with the same number of each type of flower in each bouquet. How many flowers will be in each bouquet?  
\_\_\_\_\_
5. Willis bought a gallon of paint. He painted a wall that is 9 feet high and 10 feet wide. Then he used the rest of the paint to paint 46 square feet in the hall. How many square feet did the gallon of paint cover?  
\_\_\_\_\_
6. Randall bought 7 computer games at a yard sale. He paid \$4 each for 6 of the games, and \$5 for the other game. How much money did he spend?  
\_\_\_\_\_

## Remembering

Write an equation and solve the problem.

- |   |   |
|---|---|
| <p>1. There are 40 students at the picnic. There are 5 picnic tables. The same number of students is at each table. How many students are at each table?</p> <p>_____</p> | <p>2. Claire puts \$2 in her coin purse each day for 7 days. How much money is in her coin purse after 7 days?</p> <p>_____</p> |
|---|---|

Write an equation and solve the problem.

3. There are 4 rows of carrots in the garden. Six carrots are in each row. The farmer picks 3 of the carrots. How many carrots are still in the garden?
- \_\_\_\_\_
4. Darla uses 3 pink roses and 4 yellow tulips to fill each vase. She fills 7 vases. How many flowers does she use?
- \_\_\_\_\_

Use a basic multiplication and mental math to complete.

- |                           |                           |                           |
|---------------------------|---------------------------|---------------------------|
| 5. $6 \times 3 =$ _____   | 6. $7 \times 9 =$ _____   | 7. $4 \times 2 =$ _____   |
| $60 \times 3 =$ _____     | $7 \times 90 =$ _____     | $40 \times 2 =$ _____     |
| 8. $8 \times 4 =$ _____   | 9. $2 \times 5 =$ _____   | 10. $3 \times 4 =$ _____  |
| $80 \times 4 =$ _____     | $2 \times 50 =$ _____     | $30 \times 4 =$ _____     |
| 11. $5 \times 80 =$ _____ | 12. $90 \times 8 =$ _____ | 13. $6 \times 70 =$ _____ |

14. **Stretch Your Thinking** I am a multiple of 10. My factors include an even number and an odd number. I am greater than  $3 \times 5$  and less than  $4 \times 7$ . What number am I?
- \_\_\_\_\_

$2 \times 2$

© Houghton Mifflin Harcourt Publishing Company

$2 \cdot 3$

Hint:  
What is  $3 \cdot 2$ ?

© Houghton Mifflin Harcourt Publishing Company

$2 * 4$

Hint:  
What is  $4 * 2$ ?

© Houghton Mifflin Harcourt Publishing Company

$2 \times 5$

Hint:  
What is  $5 \times 2$ ?

© Houghton Mifflin Harcourt Publishing Company

$2 \times 6$

Hint:  
What is  $6 \times 2$ ?

© Houghton Mifflin Harcourt Publishing Company

$2 \cdot 7$

Hint:  
What is  $7 \cdot 2$ ?

© Houghton Mifflin Harcourt Publishing Company

$2 * 8$

Hint:  
What is  $8 * 2$ ?

© Houghton Mifflin Harcourt Publishing Company

$2 \times 9$

Hint:  
What is  $9 \times 2$ ?

© Houghton Mifflin Harcourt Publishing Company

$5 \times 2$

Hint:  
What is  $2 \times 5$ ?

© Houghton Mifflin Harcourt Publishing Company

$5 \cdot 3$

Hint:  
What is  $3 \cdot 5$ ?

© Houghton Mifflin Harcourt Publishing Company

$5 * 4$

Hint:  
What is  $4 * 5$ ?

© Houghton Mifflin Harcourt Publishing Company

$5 \times 5$

Hint:  
What is  $5 \times 5$ ?

© Houghton Mifflin Harcourt Publishing Company

$5 \times 6$

Hint:  
What is  $6 \times 5$ ?

© Houghton Mifflin Harcourt Publishing Company

$5 \cdot 7$

Hint:  
What is  $7 \cdot 5$ ?

© Houghton Mifflin Harcourt Publishing Company

$5 * 8$

Hint:  
What is  $8 * 5$ ?

© Houghton Mifflin Harcourt Publishing Company

$5 \times 9$

Hint:  
What is  $9 \times 5$ ?

© Houghton Mifflin Harcourt Publishing Company

$$2 \overline{)10}$$

Hint: What is  
 $\square \times 2 = 10?$

© Houghton Mifflin Harcourt Publishing Company

$$2 \overline{)8}$$

Hint: What is  
 $\square \times 2 = 8?$

© Houghton Mifflin Harcourt Publishing Company

$$2 \overline{)6}$$

Hint: What is  
 $\square \times 2 = 6?$

© Houghton Mifflin Harcourt Publishing Company

$$2 \overline{)4}$$

Hint: What is  
 $\square \times 2 = 4?$

© Houghton Mifflin Harcourt Publishing Company

$$2 \overline{)18}$$

Hint: What is  
 $\square \times 2 = 18?$

© Houghton Mifflin Harcourt Publishing Company

$$2 \overline{)16}$$

Hint: What is  
 $\square \times 2 = 16?$

© Houghton Mifflin Harcourt Publishing Company

$$2 \overline{)14}$$

Hint: What is  
 $\square \times 2 = 14?$

© Houghton Mifflin Harcourt Publishing Company

$$2 \overline{)12}$$

Hint: What is  
 $\square \times 2 = 12?$

© Houghton Mifflin Harcourt Publishing Company

$$5 \overline{)25}$$

Hint: What is  
 $\square \times 5 = 25?$

© Houghton Mifflin Harcourt Publishing Company

$$5 \overline{)20}$$

Hint: What is  
 $\square \times 5 = 20?$

© Houghton Mifflin Harcourt Publishing Company

$$5 \overline{)15}$$

Hint: What is  
 $\square \times 5 = 15?$

© Houghton Mifflin Harcourt Publishing Company

$$5 \overline{)10}$$

Hint: What is  
 $\square \times 5 = 10?$

© Houghton Mifflin Harcourt Publishing Company

$$5 \overline{)45}$$

Hint: What is  
 $\square \times 5 = 45?$

© Houghton Mifflin Harcourt Publishing Company

$$5 \overline{)40}$$

Hint: What is  
 $\square \times 5 = 40?$

© Houghton Mifflin Harcourt Publishing Company

$$5 \overline{)35}$$

Hint: What is  
 $\square \times 5 = 35?$

© Houghton Mifflin Harcourt Publishing Company

$$5 \overline{)30}$$

Hint: What is  
 $\square \times 5 = 30?$

© Houghton Mifflin Harcourt Publishing Company

© Houghton Mifflin Harcourt Publishing Company

$9 \times 2$

Hint:  
What is  $2 \times 9$ ?

© Houghton Mifflin Harcourt Publishing Company

$9 \cdot 3$

Hint:  
What is  $3 \cdot 9$ ?

© Houghton Mifflin Harcourt Publishing Company

$9 * 4$

Hint:  
What is  $4 * 9$ ?

© Houghton Mifflin Harcourt Publishing Company

$9 \times 5$

Hint:  
What is  $5 \times 9$ ?

© Houghton Mifflin Harcourt Publishing Company

$9 \times 6$

Hint:  
What is  $6 \times 9$ ?

© Houghton Mifflin Harcourt Publishing Company

$9 \cdot 7$

Hint:  
What is  $7 \cdot 9$ ?

© Houghton Mifflin Harcourt Publishing Company

$9 * 8$

Hint:  
What is  $8 * 9$ ?

© Houghton Mifflin Harcourt Publishing Company

$9 \times 9$

© Houghton Mifflin Harcourt Publishing Company

×

•

\*

×

×

•

\*

×

You can write any numbers on the last 8 cards. Use them to practice difficult problems or if you lose a card.

$$9 \overline{)45}$$

Hint: What is  
 $\square \times 9 = 45?$

© Houghton Mifflin Harcourt Publishing Company

$$9 \overline{)36}$$

Hint: What is  
 $\square \times 9 = 36?$

© Houghton Mifflin Harcourt Publishing Company

$$9 \overline{)27}$$

Hint: What is  
 $\square \times 9 = 27?$

© Houghton Mifflin Harcourt Publishing Company

$$9 \overline{)18}$$

Hint: What is  
 $\square \times 9 = 18?$

© Houghton Mifflin Harcourt Publishing Company

$$9 \overline{)81}$$

Hint: What is  
 $\square \times 9 = 81?$

© Houghton Mifflin Harcourt Publishing Company

$$9 \overline{)72}$$

Hint: What is  
 $\square \times 9 = 72?$

© Houghton Mifflin Harcourt Publishing Company

$$9 \overline{)63}$$

Hint: What is  
 $\square \times 9 = 63?$

© Houghton Mifflin Harcourt Publishing Company

$$9 \overline{)54}$$

Hint: What is  
 $\square \times 9 = 54?$

© Houghton Mifflin Harcourt Publishing Company

)

)

)

)

)

)

)

)

You can write any numbers on the last 8 cards. Use them to practice difficult problems or if you lose a card.

$3 \times 2$

Hint:  
What is  $2 \times 3$ ?

© Houghton Mifflin Harcourt Publishing Company

$3 \cdot 3$

© Houghton Mifflin Harcourt Publishing Company

$3 * 4$

Hint:  
What is  $4 * 3$ ?

© Houghton Mifflin Harcourt Publishing Company

$3 \times 5$

Hint:  
What is  $5 \times 3$ ?

© Houghton Mifflin Harcourt Publishing Company

$3 \times 6$

Hint:  
What is  $6 \times 3$ ?

© Houghton Mifflin Harcourt Publishing Company

$3 \cdot 7$

Hint:  
What is  $7 \cdot 3$ ?

© Houghton Mifflin Harcourt Publishing Company

$3 * 8$

Hint:  
What is  $8 * 3$ ?

© Houghton Mifflin Harcourt Publishing Company

$3 \times 9$

Hint:  
What is  $9 \times 3$ ?

© Houghton Mifflin Harcourt Publishing Company

$4 \times 2$

Hint:  
What is  $2 \times 4$ ?

© Houghton Mifflin Harcourt Publishing Company

$4 \cdot 3$

Hint:  
What is  $3 \cdot 4$ ?

© Houghton Mifflin Harcourt Publishing Company

$4 * 4$

© Houghton Mifflin Harcourt Publishing Company

$4 \times 5$

Hint:  
What is  $5 \times 4$ ?

© Houghton Mifflin Harcourt Publishing Company

$4 \times 6$

Hint:  
What is  $6 \times 4$ ?

© Houghton Mifflin Harcourt Publishing Company

$4 \cdot 7$

Hint:  
What is  $7 \cdot 4$ ?

© Houghton Mifflin Harcourt Publishing Company

$4 * 8$

Hint:  
What is  $8 * 4$ ?

© Houghton Mifflin Harcourt Publishing Company

$4 \times 9$

Hint:  
What is  $9 \times 4$ ?

© Houghton Mifflin Harcourt Publishing Company

$$3 \overline{)15}$$

Hint: What is  
 $\square \times 3 = 15?$

© Houghton Mifflin Harcourt Publishing Company

$$3 \overline{)12}$$

Hint: What is  
 $\square \times 3 = 12?$

© Houghton Mifflin Harcourt Publishing Company

$$3 \overline{)9}$$

Hint: What is  
 $\square \times 3 = 9?$

© Houghton Mifflin Harcourt Publishing Company

$$3 \overline{)6}$$

Hint: What is  
 $\square \times 3 = 6?$

© Houghton Mifflin Harcourt Publishing Company

$$3 \overline{)27}$$

Hint: What is  
 $\square \times 3 = 27?$

© Houghton Mifflin Harcourt Publishing Company

$$3 \overline{)24}$$

Hint: What is  
 $\square \times 3 = 24?$

© Houghton Mifflin Harcourt Publishing Company

$$3 \overline{)21}$$

Hint: What is  
 $\square \times 3 = 21?$

© Houghton Mifflin Harcourt Publishing Company

$$3 \overline{)18}$$

Hint: What is  
 $\square \times 3 = 18?$

© Houghton Mifflin Harcourt Publishing Company

$$4 \overline{)20}$$

Hint: What is  
 $\square \times 4 = 20?$

© Houghton Mifflin Harcourt Publishing Company

$$4 \overline{)16}$$

Hint: What is  
 $\square \times 4 = 16?$

© Houghton Mifflin Harcourt Publishing Company

$$4 \overline{)12}$$

Hint: What is  
 $\square \times 4 = 12?$

© Houghton Mifflin Harcourt Publishing Company

$$4 \overline{)8}$$

Hint: What is  
 $\square \times 4 = 8?$

© Houghton Mifflin Harcourt Publishing Company

$$4 \overline{)36}$$

Hint: What is  
 $\square \times 4 = 36?$

© Houghton Mifflin Harcourt Publishing Company

$$4 \overline{)32}$$

Hint: What is  
 $\square \times 4 = 32?$

© Houghton Mifflin Harcourt Publishing Company

$$4 \overline{)28}$$

Hint: What is  
 $\square \times 4 = 28?$

© Houghton Mifflin Harcourt Publishing Company

$$4 \overline{)24}$$

Hint: What is  
 $\square \times 4 = 24?$

© Houghton Mifflin Harcourt Publishing Company

$6 \times 2$

Hint:  
What is  $2 \times 6$ ?

© Houghton Mifflin Harcourt Publishing Company

$6 \cdot 3$

Hint:  
What is  $3 \cdot 6$ ?

© Houghton Mifflin Harcourt Publishing Company

$6 * 4$

Hint:  
What is  $4 * 6$ ?

© Houghton Mifflin Harcourt Publishing Company

$6 \times 5$

Hint:  
What is  $5 \times 6$ ?

© Houghton Mifflin Harcourt Publishing Company

$6 \times 6$

© Houghton Mifflin Harcourt Publishing Company

$6 \cdot 7$

Hint:  
What is  $7 \cdot 6$ ?

© Houghton Mifflin Harcourt Publishing Company

$6 * 8$

Hint:  
What is  $8 * 6$ ?

© Houghton Mifflin Harcourt Publishing Company

$6 \times 9$

Hint:  
What is  $9 \times 6$ ?

© Houghton Mifflin Harcourt Publishing Company

$7 \times 2$

Hint:  
What is  $2 \times 7$ ?

© Houghton Mifflin Harcourt Publishing Company

$7 \cdot 3$

Hint:  
What is  $3 \cdot 7$ ?

© Houghton Mifflin Harcourt Publishing Company

$7 * 4$

Hint:  
What is  $4 * 7$ ?

© Houghton Mifflin Harcourt Publishing Company

$7 \times 5$

Hint:  
What is  $5 \times 7$ ?

© Houghton Mifflin Harcourt Publishing Company

$7 \times 6$

Hint:  
What is  $6 \times 7$ ?

© Houghton Mifflin Harcourt Publishing Company

$7 \cdot 7$

© Houghton Mifflin Harcourt Publishing Company

$7 * 8$

Hint:  
What is  $8 * 7$ ?

© Houghton Mifflin Harcourt Publishing Company

$7 \times 9$

Hint:  
What is  $9 \times 7$ ?

© Houghton Mifflin Harcourt Publishing Company

$$6 \overline{)30}$$

Hint: What is  
  $\times 6 = 30$ ?

© Houghton Mifflin Harcourt Publishing Company

$$6 \overline{)24}$$

Hint: What is  
  $\times 6 = 24$ ?

© Houghton Mifflin Harcourt Publishing Company

$$6 \overline{)18}$$

Hint: What is  
  $\times 6 = 18$ ?

© Houghton Mifflin Harcourt Publishing Company

$$6 \overline{)12}$$

Hint: What is  
  $\times 6 = 12$ ?

© Houghton Mifflin Harcourt Publishing Company

$$6 \overline{)54}$$

Hint: What is  
  $\times 6 = 54$ ?

© Houghton Mifflin Harcourt Publishing Company

$$6 \overline{)48}$$

Hint: What is  
  $\times 6 = 48$ ?

© Houghton Mifflin Harcourt Publishing Company

$$6 \overline{)42}$$

Hint: What is  
  $\times 6 = 42$ ?

© Houghton Mifflin Harcourt Publishing Company

$$6 \overline{)36}$$

Hint: What is  
  $\times 6 = 36$ ?

© Houghton Mifflin Harcourt Publishing Company

$$7 \overline{)35}$$

Hint: What is  
  $\times 7 = 35$ ?

© Houghton Mifflin Harcourt Publishing Company

$$7 \overline{)28}$$

Hint: What is  
  $\times 7 = 28$ ?

© Houghton Mifflin Harcourt Publishing Company

$$7 \overline{)21}$$

Hint: What is  
  $\times 7 = 21$ ?

© Houghton Mifflin Harcourt Publishing Company

$$7 \overline{)14}$$

Hint: What is  
  $\times 7 = 14$ ?

© Houghton Mifflin Harcourt Publishing Company

$$7 \overline{)63}$$

Hint: What is  
  $\times 7 = 63$ ?

© Houghton Mifflin Harcourt Publishing Company

$$7 \overline{)56}$$

Hint: What is  
  $\times 7 = 56$ ?

© Houghton Mifflin Harcourt Publishing Company

$$7 \overline{)49}$$

Hint: What is  
  $\times 7 = 49$ ?

© Houghton Mifflin Harcourt Publishing Company

$$7 \overline{)42}$$

Hint: What is  
  $\times 7 = 42$ ?

© Houghton Mifflin Harcourt Publishing Company

© Houghton Mifflin Harcourt Publishing Company

$8 \times 2$

Hint:  
What is  $2 \times 8$ ?

© Houghton Mifflin Harcourt Publishing Company

$8 \cdot 3$

Hint:  
What is  $3 \cdot 8$ ?

© Houghton Mifflin Harcourt Publishing Company

$8 * 4$

Hint:  
What is  $4 * 8$ ?

© Houghton Mifflin Harcourt Publishing Company

$8 \times 5$

Hint:  
What is  $5 \times 8$ ?

© Houghton Mifflin Harcourt Publishing Company

$8 \times 6$

Hint:  
What is  $6 \times 8$ ?

© Houghton Mifflin Harcourt Publishing Company

$8 \cdot 7$

Hint:  
What is  $7 \cdot 8$ ?

© Houghton Mifflin Harcourt Publishing Company

$8 * 8$

© Houghton Mifflin Harcourt Publishing Company

$8 \times 9$

Hint:  
What is  $9 \times 8$ ?

© Houghton Mifflin Harcourt Publishing Company

×

•

\*

×

×

•

\*

×

You can write any numbers on the last 8 cards. Use them to practice difficult problems or if you lose a card.

$$8 \overline{)40}$$

Hint: What is  
 $\square \times 8 = 40$ ?

© Houghton Mifflin Harcourt Publishing Company

$$8 \overline{)32}$$

Hint: What is  
 $\square \times 8 = 32$ ?

© Houghton Mifflin Harcourt Publishing Company

$$8 \overline{)24}$$

Hint: What is  
 $\square \times 8 = 24$ ?

© Houghton Mifflin Harcourt Publishing Company

$$8 \overline{)16}$$

Hint: What is  
 $\square \times 8 = 16$ ?

© Houghton Mifflin Harcourt Publishing Company

$$8 \overline{)72}$$

Hint: What is  
 $\square \times 8 = 72$ ?

© Houghton Mifflin Harcourt Publishing Company

$$8 \overline{)64}$$

Hint: What is  
 $\square \times 8 = 64$ ?

© Houghton Mifflin Harcourt Publishing Company

$$8 \overline{)56}$$

Hint: What is  
 $\square \times 8 = 56$ ?

© Houghton Mifflin Harcourt Publishing Company

$$8 \overline{)48}$$

Hint: What is  
 $\square \times 8 = 48$ ?

© Houghton Mifflin Harcourt Publishing Company

)

)

)

)

)

)

)

)

You can write any numbers on the last 8 cards. Use them to practice difficult problems or if you lose a card.

**Homework****Study Plan**\_\_\_\_\_  
Homework Helper**Complete.**

1.  $6 \times 3 = \underline{\quad}$

2.  $7 \times 9 = \underline{\quad}$

3.  $4 \times 0 = \underline{\quad}$

4.  $30 \div 5 = \underline{\quad}$

5.  $18 \div 2 = \underline{\quad}$

6.  $70 \div 7 = \underline{\quad}$

7.  $36 \div \underline{\quad} = 9$

8.  $3 \times \underline{\quad} = 24$

9.  $\underline{\quad} \div 8 = 0$

10.  $\underline{\quad} \times 7 = 35$

11.  $60 = \underline{\quad} \times 6$

12.  $4 = 28 \div \underline{\quad}$

13.  $72 = 8 \times \underline{\quad}$

14.  $2 = \underline{\quad} \div 10$

15.  $\underline{\quad} = 45 \div 9$

16.  $21 = \underline{\quad} \times 7$

17.  $8 = 64 \div \underline{\quad}$

18.  $\underline{\quad} \times 374 = 0$

**Solve.**

19. Using only whole numbers, Nikki wrote as many multiplication equations as she could with 12 as the product. What were her equations?

\_\_\_\_\_

\_\_\_\_\_

20. Pablo wrote four division equations with 6 as the quotient. What could have been the four division equations that he wrote?

\_\_\_\_\_

\_\_\_\_\_

## Remembering

Write an equation and solve the problem.

1. Stephen has a stamp collection of 72 stamps. He puts 9 stamps on each page in his album. How many pages does he fill?

\_\_\_\_\_

2. There are 6 birdcages at the zoo. Two birds are in each birdcage. How many birds are in the birdcages?

\_\_\_\_\_

Use a basic multiplication and mental math to complete.

3.  $2 \times 8 = \underline{\quad}$

4.  $5 \times 9 = \underline{\quad}$

5.  $3 \times 7 = \underline{\quad}$

$20 \times 8 = \underline{\quad}$

$5 \times 90 = \underline{\quad}$

$30 \times 7 = \underline{\quad}$

6.  $6 \times 4 = \underline{\quad}$

7.  $9 \times 4 = \underline{\quad}$

8.  $5 \times 5 = \underline{\quad}$

$60 \times 4 = \underline{\quad}$

$9 \times 40 = \underline{\quad}$

$50 \times 5 = \underline{\quad}$

9.  $7 \times 80 = \underline{\quad}$

10.  $70 \times 7 = \underline{\quad}$

11.  $6 \times 60 = \underline{\quad}$

Write an equation and solve the problem.

12. Max has \$12 for the field trip. Sue has \$4 less than Max. Ellen has \$2 more than Sue. How much money does Ellen have for the field trip?

\_\_\_\_\_

13. Jeremiah mows 8 lawns. Andy mows 4 fewer lawns than Jeremiah. Sally mows double the number Andy mows. How many lawns does Sally mow?

\_\_\_\_\_

14. **Stretch Your Thinking** Write three multiplication equations in which the product is 24. Then draw an array for one of your equations.

\_\_\_\_\_

**Homework**

A zoo kitchen's weekly grocery list shows the zoo orders 56 pounds of bananas each week. The zoo kitchen uses the same number of pounds of bananas each day.

- Complete the chart showing the number of pounds of bananas the zoo kitchen has used after each day of the week.

<b>Number of Days</b>	1	2	3	4	5	6	7
<b>Number of Pounds of Bananas</b>							56

- Write an equation to show how to find the number of pounds of bananas the zoo uses in one day.

\_\_\_\_\_

**Write an equation and solve the problem.**

- The zoo uses 10 pounds of apples each day. How many pounds of apples should be on the weekly grocery list?

\_\_\_\_\_

- After 6 days, how many pounds of apples does the zoo use?

\_\_\_\_\_

- After 6 days, how many more pounds of apples than bananas does the zoo use?

\_\_\_\_\_

- How many pounds of bananas and apples altogether does the zoo use each week?

\_\_\_\_\_

## Remembering

Write an equation and solve the problem.

- |   |  |
|---|--|
| <p>1. Tami uses square tiles to make an array. She places 5 tiles in each row. She makes 5 rows. How many square tiles does she use?</p> <p>_____</p> | <p>2. Mrs. Gibbs sets up 36 chairs for parents to watch the class performance. She makes 4 rows. How many chairs are in each row?</p> <p>_____</p> |
|---|--|

Write an equation and solve the problem.

- |  |   |
|--|---|
| <p>3. There are 163 adults and 37 students in the audience. Will 4 packages of 50 programs be enough for each person in the audience to receive a program? Explain.</p> <p>_____</p> | <p>4. There were 8 rows of picture frames at the store. There are 7 picture frames in each row. Twelve picture frames are sold. How many picture frames are left at the store?</p> <p>_____</p> |
|--|---|

Complete.

- |                          |                           |                             |
|--------------------------|---------------------------|-----------------------------|
| 5. $40 \div 10 =$ _____  | 6. _____ $= 8 \times 3$   | 7. _____ $\times 4 = 28$    |
| 8. $2 \times 4 =$ _____  | 9. _____ $= 8 \times 8$   | 10. _____ $= 81 \div 9$     |
| 11. $9 \times 5 =$ _____ | 12. $42 \div$ _____ $= 6$ | 13. $9 \times$ _____ $= 63$ |

14. **Stretch Your Thinking** Matt runs four days a week.

On the first day he runs 30 minutes. On the second day he runs 5 minutes more than on the first day. On the third day he runs the same number of minutes as the second day. On the fourth day he runs 10 minutes more than the previous day. After Matt runs on the fourth day, how many minutes in all has he run?

\_\_\_\_\_