

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?
- _____

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?

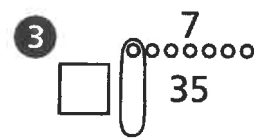
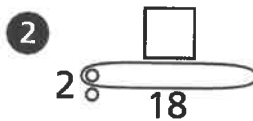
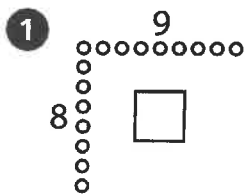
- 6 Frances wants to paint a rectangular wall that has a width of 8 feet and a height of 9 feet. She has a quart of paint that will cover 85 square feet. What is the area of the wall? Does Frances have enough paint?

- 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?

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?

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

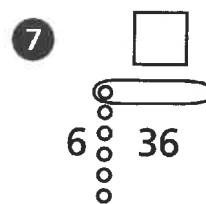
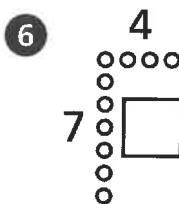
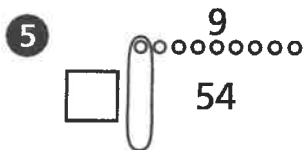
- ② Mrs. Divita divided 64 beetles equally among the 8 students in the science club. How many beetles did each student receive?

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.

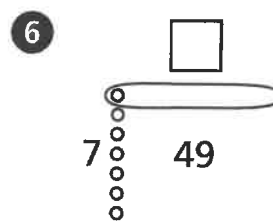
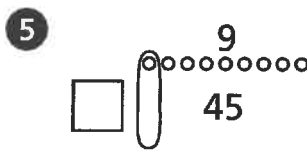
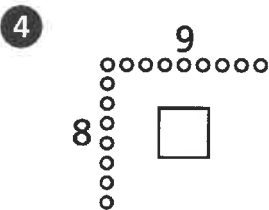
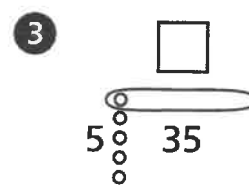
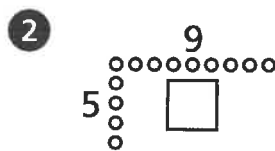
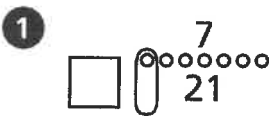
Find the unknown number for each Fast-Array Drawing.



Study Plan

Homework Helper

Find the unknown number for each Fast-Array Drawing.



Solve. Label your answers.

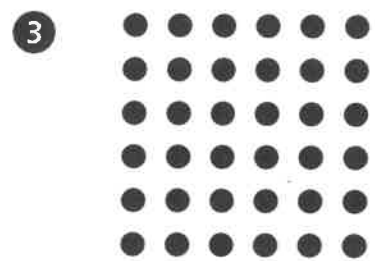
- 7 Rachel plans to fence in an area 7 meters long by 7 meters wide for her dog to run in. How much area will her dog have to run in?

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

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	

Study Plan

Homework Helper

Solve.

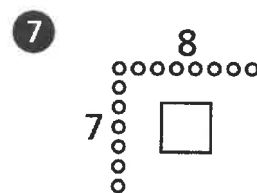
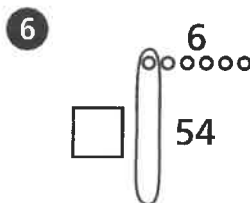
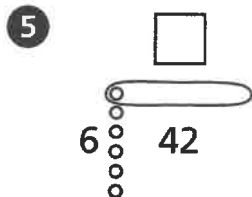
- 1 Sarah's chickens laid 3 dozen eggs over the weekend. She divided them equally into cartons to give away to her 6 closest neighbors. How many eggs did she put in each carton?

- 2 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?

- 3 Lucy has 6 sheets of stickers. Each sheet has 8 stickers. How many stickers does Lucy have?

- 4 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.



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?
- _____

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?

Study Plan

Homework Helper

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

- 1 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?
- _____
- _____
- 2 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?
- _____
- _____
- 3 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?
- _____
- _____
- 4 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?
- _____
- _____
- 5 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?
- _____
- _____

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?
- _____

Study Plan

Homework Helper

Use a basic multiplication and mental math to complete.

① $4 \times 4 = \underline{\quad}$

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

② $7 \times 3 = \underline{\quad}$

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

③ $6 \times 9 = \underline{\quad}$

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

④ $8 \times 7 = \underline{\quad}$

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

⑤ $4 \times 9 = \underline{\quad}$

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

⑥ $2 \times 8 = \underline{\quad}$

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

⑦ $6 \times 5 = \underline{\quad}$

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

⑧ $7 \times 7 = \underline{\quad}$

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

⑨ $5 \times 2 = \underline{\quad}$

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

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?
- _____

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?

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

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.

- ① Complete the chart showing the number of pounds of bananas the zoo kitchen has used after each day of the week.

Number of Days	1	2	3	4	5	6	7
Number of Pounds of Bananas							56

- ② 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.

- ③ The zoo uses 10 pounds of apples each day. How many pounds of apples should be on the weekly grocery list?

- ④ After 6 days, how many pounds of apples does the zoo use?

- ⑤ After 6 days, how many more pounds of apples than bananas does the zoo use?

- ⑥ How many pounds of bananas and apples altogether does the zoo use each week?
