

**1-1
Homework**

Name _____

Due Date: November 5

Study Plan

Homework Helper

Write each total.

1 $2 \times (5) = 5 + 5 = \underline{\hspace{2cm}}$

2 $4 \bullet (5) = 5 + 5 + 5 + 5 = \underline{\hspace{2cm}}$

3 $6 * (5) = 5 + 5 + 5 + 5 + 5 + 5 = \underline{\hspace{2cm}}$

Write the 5s additions that show each multiplication.

Then write the total.

4 $3 \times (5) = \underline{\hspace{4cm}} = \underline{\hspace{2cm}}$

5 $5 * (5) = \underline{\hspace{4cm}} = \underline{\hspace{2cm}}$

6 $1 \bullet (5) = \underline{\hspace{4cm}} = \underline{\hspace{2cm}}$

7 $8 \bullet (5) = \underline{\hspace{4cm}} = \underline{\hspace{2cm}}$

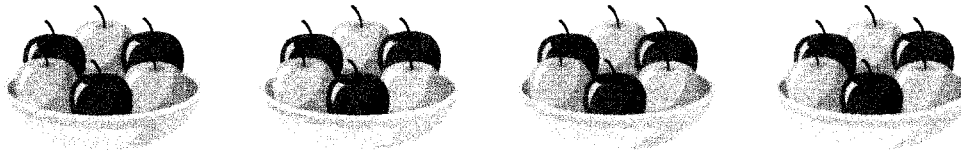
8 $7 \times (5) = \underline{\hspace{4cm}} = \underline{\hspace{2cm}}$

Study Plan

Homework Helper

Write a multiplication equation to find the total number.

1 How many apples?



2 How many lenses?



Make a math drawing and label it with a multiplication equation. Then write the answer to the problem.

3 Beth put the dinner rolls she baked in 5 bags, with 6 rolls per bag. How many rolls did Beth bake?

4 Baya arranged her pennies into 7 piles of 5. How many pennies did she have?

Study Plan

Homework Helper

Write a multiplication equation for each array.

- 1 How many muffins?



- 2 How many basketballs?



Make a math drawing for each problem and label it with a multiplication equation. Then write the answer to the problem.

- 3 Ellie arranged her trophies in 3 rows, with 6 trophies in each row. How many trophies does she have?

- 4 Maribel planted a garden with 9 tomato plants in each of 2 rows. How many tomato plants did she plant?

Study Plan

Homework Helper

Write a multiplication equation and a division equation for each problem. Then solve the problem.

- 1 Mandy's Diner has a total of 20 chairs. The chairs are divided equally among 5 tables. How many chairs are at each table? *Show your work.*

- 2 Tarek divided 30 nickels into 5 piles. He put the same number of nickels in each pile. How many nickels were in each pile?

- 3 A group of singers has 45 members. The singers are arranged in groups of 5 on the stage. How many groups are there?

- 4 Brianna arranged 40 marbles into an array with 5 marbles in each row. How many rows of marbles were in her array?

Study Plan

Homework Helper

Write an equation and solve the problem.

- 1 Tanya had 14 cups to fill with juice. She put them in 2 equal rows. How many cups were in each row?

- 2 Rebecca has 3 pairs of running shoes. She bought new shoelaces for each pair. How many shoelaces did she buy?

- 3 Jason served his family dinner. He put 5 carrots on each of the 4 plates. How many carrots did Jason serve in all?

- 4 Olivia filled 8 vases with flowers. She put 5 flowers in each vase. How many flowers did she put in the vases?

- 5 Devon has 30 model airplanes. He put the same number on each of the 5 shelves of his bookcase. How many model airplanes did Devon put on each shelf?

- 6 There are 12 eggs in a carton. They are arranged in 2 rows with the same number of eggs in each row. How many eggs are in each row?

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

- 1 On a wall, photos are arranged in 2 rows with 7 photos in each row. How many photos are on the wall?

- 2 An orchard has 6 rows of apple trees. Each row has 5 trees. How many apple trees are in the orchard?

- 3 Navin arranged his soccer trophies into 5 equal rows. He has 25 trophies. How many are in each row?

- 4 Tickets to the school play cost \$2 each. Mrs. Cortez spent \$16 on tickets. How many tickets did she buy?

- 5 Jimet solved 20 multiplications. There were 5 multiplications in each row. How many rows of multiplications did she solve?

- 6 Josh has 2 peaches for each of his 6 friends. How many peaches does he have?

Study Plan

_____ **Homework Helper**

Write an equation and solve the problem.

1 Wendy has 100 cents. She wants to buy some marbles that cost 10 cents each. How many marbles can she buy?

2 Natalie turned off 2 lights in each of the 6 rooms of her house. How many lights did she turn off?

3 Luis has 18 single socks. How many pairs of socks does he have?

4 Lana has 9 nickels. She wants to buy an apple that costs 40 cents. Does she have enough money?

5 Annabelle had 20 crayons. She gave 5 of them to each of her sisters. How many sisters does Annabelle have?

6 Harvey wrote letters to 10 of his friends. Each letter was 3 pages long. How many pages did Harvey write?

Complete the table.

7 Number of Nickels	1	3	5	8		
Total Amount		15¢			45¢	50¢

Study Plan_____
Homework Helper

Write an equation for each situation. Then solve the problem.

- 1** The pet store has 54 birds. There are 9 birds in each cage. How many cages are there?

Show your work.

- 2** George told 2 stories each night of the camping trip. The camping trip was 3 nights long. How many stories did George tell?

- 3** LaShawna blew up 40 balloons for a party. She made 10 equal bunches of balloons to put on the tables. How many balloons were in each bunch?

- 4** There are 4 floors in Redville City Hall. Every floor has 9 offices. How many offices are in the building?

- 5** Brigitte has 15 CDs. She can put 5 CDs in the CD player at one time. How many times does she have to change the CDs to listen to all of them?

Study Plan

Homework Helper

Write an equation for each situation. Then solve the problem.

- 1 Quinn rode his bike 35 miles. He stopped for water every 5 miles. How many times did Quinn stop for water?

- 2 Roy had 12 bottles of juice. He put them in the refrigerator in 2 rows. How many bottles were in each row?

- 3 Melinda has 5 cousins. She called each one on the phone 4 times this month. How many phone calls did she make to her cousins this month?

- 4 Janelle won 27 tickets at the fair. She traded the tickets for 9 prizes. Each prize was worth the same number of tickets. How many tickets was each prize worth?

- 5 Eric had 2 picnic baskets. He put 7 apples in each one. How many apples did he put into the picnic baskets?

- 6 Grace has read 2 chapters in each of her 9 books. How many chapters has she read in all?

Study Plan

Homework Helper

Write an equation and solve the problem.

- 1 Greg has 3 hats. He has worn each one 4 times this year. How many times this year has he worn a hat?

- 2 Keenan has won 24 award ribbons. He hung them on his wall in 3 rows, with the same number of ribbons in each row. How many ribbons are in each row?

- 3 Mai went to the movies 9 times this month. She paid 4 dollars to see each movie. How much did she spend in all?

- 4 Tess planted 45 tomato seeds in her garden. She planted them in an array with 9 rows. How many seeds were in each row?

Find the total number by starting with the fifth count-by and counting from there.

- 5 How many bananas are in these 9 bunches?



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Homework

Name _____

Date _____

Study Plan

Homework Helper

**Make a rectangle drawing to represent each exercise.
Then find the product.**

① $5 \times 9 =$ _____

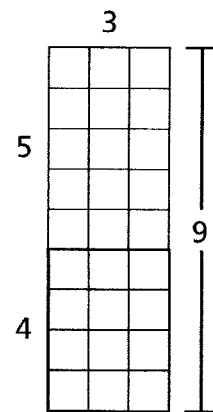
② $3 * 6 =$ _____

③ $3 \cdot 9 =$ _____

Ashley drew this large rectangle, which is made up of two small rectangles.

- ④ Find the area of the large rectangle by finding the areas of the two small rectangles and adding them.

- ⑤ Find the area of the large rectangle by multiplying the number of rows by the number of square units in each row.



⑥ Find this product: $5 \times 6 =$ _____

⑦ Find this product: $2 \times 6 =$ _____

⑧ Use your answers to exercises 6 and 7 to find this product: $7 \times 6 =$ _____

Study Plan

Homework Helper

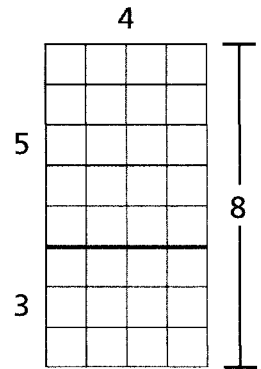
Solve each problem.

- 1 Colin had 16 puzzles. He gave 4 puzzles to each of his nephews. How many nephews does Colin have?

- 2 Allegra listed the names of her classmates in 4 columns, with 7 names in each column. How many classmates does Allegra have?

This large rectangle is made up of two small rectangles.

- 3 Find the area of the large rectangle by finding the areas of the two small rectangles and adding them.

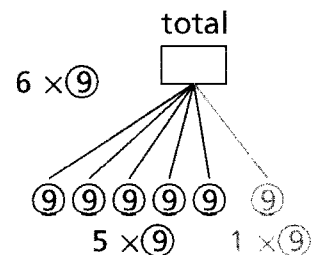


- 4 Find the area of the large rectangle by multiplying the number of rows by the number of square units in each row.

This Equal-Shares drawing shows that 6 groups of 9 is the same as 5 groups of 9 plus 1 group of 9.

- 5 Find 5×9 and 1×9 , and add the answers.

- 6 Find 6×9 . Did you get the same answer as in question 5?



Study Plan

Homework Helper

Write an equation and solve the problem.

- 1 Pablo hung his watercolor paintings in an array with 3 rows and 4 columns. How many paintings did Pablo hang?

- 2 A group of 7 friends went on a hiking trip. Each person took 3 granola bars. What total number of granola bars did the friends take?

- 3 Jon had 45 sheets of construction paper. He used 9 sheets to make paper snowflakes. How many sheets does he have now?

You can combine multiplications you know to find multiplications you don't know.

4 Find this product: $5 \times 8 =$ _____

5 Find this product: $1 \times 8 =$ _____

6 Use the answers to Exercises 4 and 5 to find this product: $6 \times 8 =$ _____

Study Plan

Homework Helper

Multiply or divide to find the unknown numbers.

- ① $4 * 3 = \underline{\hspace{2cm}}$ ② $4 \times \underline{\hspace{2cm}} = 28$ ③ $27 \div 9 = \underline{\hspace{2cm}}$
 ④ $30 / 5 = \underline{\hspace{2cm}}$ ⑤ $9 \bullet 9 = \underline{\hspace{2cm}}$ ⑥ $8 \times \underline{\hspace{2cm}} = 16$
 ⑦ $3 \bullet \underline{\hspace{2cm}} = 18$ ⑧ $21 \div 3 = \underline{\hspace{2cm}}$ ⑨ $45 / 5 = \underline{\hspace{2cm}}$

Write an equation and solve the problem.

Show your work.

- ⑩ There are 4 measuring cups in a set. Mr. Lee's science class has 8 sets of measuring cups. How many cups are there altogether?
- _____

- ⑪ A carousel has 40 horses. There are 4 horses in each row. How many rows are there on the carousel?
- _____

- ⑫ Kevin said it is 2 weeks until his birthday. A week is 7 days. How many days is it until Kevin's birthday?
- _____

Study Plan_____
Homework Helper**Complete.**

- ① $3 \times (4 \times 2) = \square$ ② $(5 \times 2) \times 8 = \square$ ③ $5 \times (0 \times 9) = \square$
④ $25 \times 1 = \square$ ⑤ $3 \times 9 = 9 \times \square = \square$ ⑥ $6 \times (3 \times 2) = \square$

Write an equation and solve the problem.

- ⑦ Paul put birthday candles on his brother's cake. He arranged them in an array with 8 rows and 1 column. How many candles did he put on the cake? _____
- ⑧ There are 24 people in the brass section of the marching band. They stood in an array with 4 people in each row. How many rows were there?

- ⑨ Freya doesn't like peppers, so she grew 0 peppers in her garden. She divided the peppers equally among her 4 cousins. How many peppers did each cousin get? _____
- ⑩ Cal had 6 comic books. After he gave 1 comic book to each of his cousins, he had none left. How many cousins does Cal have?

Study Plan

 Homework Helper

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

- | | |
|---|---|
| <p>1 A farmer collected eggs from the henhouse. He can put 36 eggs in a carton. A carton will hold 6 eggs in a row. How many rows does the egg carton have?</p> <p>_____</p> | <p>2 The Watertown science contest allowed teams of 5 students to compete. If 45 students entered the contest, how many teams competed?</p> <p>_____</p> |
| <p>3 The Happy Feet Shoe Store is having a sale. 10 pairs of shoes are displayed on each row of the sale rack. If the rack has 8 rows, how many pairs of shoes are on sale?</p> <p>_____</p> | <p>4 Una has 5 goldfish. She bought 2 small water plants for each goldfish. How many plants did she buy?</p> <p>_____</p> |
| <p>5 Yolanda made 16 barrettes. She divided the barrettes equally among her 4 friends. How many barrettes did each friend get?</p> <p>_____</p> | <p>6 Carson has 12 baseball cards to give away. If he gives 3 cards to each friend, how many friends can he give cards to?</p> <p>_____</p> |

Study Plan

Homework Helper

Write an equation and solve the problem.*Show your work.*

- 1 Wendy gave 54 apples to her neighbors. She gave away a total of 6 bags of apples. She put the same number of apples in each bag. How many apples were in each bag?

- 2 Dillon had a box of 45 toy trucks. He gave the trucks to his brother but kept 9 trucks for himself. How many trucks did Dillon give to his brother?

- 3 Melissa put 18 stickers in her new sticker album. She put them in 6 rows. She put the same number of stickers in each row. How many stickers did she put in each row?

- 4 Yan took photographs at the zoo. He took 5 photos in each of the 6 animal houses. How many photos did he take?

- 5 Janie stacked some books at the library. She stacked 6 books each in 7 different piles. How many books were in the piles?

Study Plan

Homework Helper

Write an equation and solve the problem.

- 1 Maili rode her bike 10 miles every day for 5 days. How many miles did she ride?

- 2 Leslie gave 72 balloons to children at the fair. After the fair, she had 9 balloons left. How many balloons did Leslie start with?

- 3 Tony hung some photographs on one wall in his room. He hung them in 3 rows, with 4 photos in each row. How many photos did Tony hang?

- 4 Pepe sent 15 gifts to his family members. He sent an equal amount of gifts to 3 different addresses. How many gifts did he send to each address?

- 5 At the Shady Acres Stables, there are 5 horses in each barn. There are 4 barns. How many horses are at Shady Acres?

- 6 Sixty students are in the marching band. There are 10 rows of students. How many students are in each row?

- 7 Danielle has 35 dolls in her collection. She wants to display them on 5 shelves with the same number of dolls on each shelf. How many dolls should she put on each shelf?

- 8 There are 9 players on a baseball team. There are 6 teams in the league. How many baseball players are in the league?

1-19
Homework

Name _____

Date _____

Find the number.

- 1 I am 5 more than 6 times 10. What number am I? _____
- 2 I am 3 less than 8 times 4. What number am I? _____
- 3 7 times a number is 21. What is the number? _____
- 4 9 times a number is 18. What is the number? _____
- 5 Use the chart to complete the pictograph.

What is your hobby?

Hobby	Number of Students
Coin Collecting	12
Playing Sports	36
Playing Music	20
Taking Care of Pets	24

