

Grade 3 · Understanding Multiplication · Worksheet

Common Core 3.OA.A.1, 3.OA.A.3 · mathovore.fr

Name: _____ Date: ____/____/____ Score: _____

These 24 problems practice the meaning of multiplication for Grade 3 (standards 3.OA.A.1 and 3.OA.A.3). Students connect equal groups, arrays, number line jumps and measurements to multiplication sentences. The problems move from reading products to solving word problems with an unknown number.

Grade 3 Common Core: 3.OA.A.1 · 3.OA.A.3

Problem 1: Groups to product

Write a multiplication sentence for the picture.



3 groups of 4

3 groups of 4 dots.

Problem 2: Reading a product

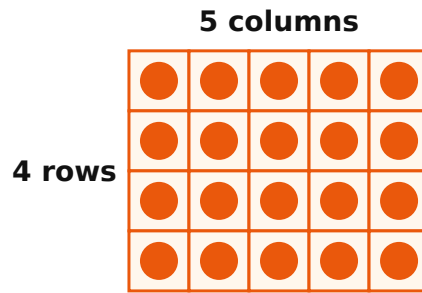
Write 6×2 in words using the word *groups*. Then find the product.

Problem 3: Repeated addition

Write $4+4+4+4+4$ as a multiplication sentence. Then find the total.

Problem 4: Count the array

How many dots are in the array? Write a multiplication sentence.



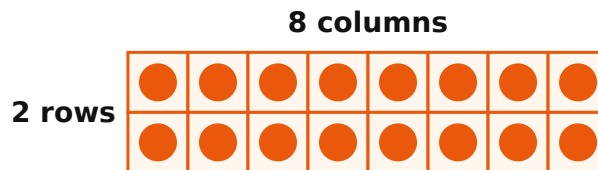
An array with 4 rows and 5 columns.

Problem 5: Rows of chairs

A classroom has 3 rows of chairs. Each row has 6 chairs. Write a multiplication sentence and find the number of chairs.

Problem 6: Write the array sentence

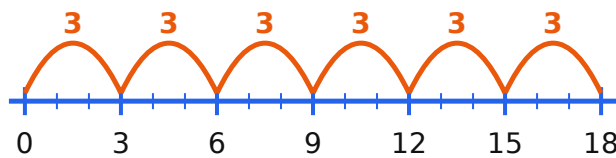
Write a multiplication sentence for the array.



An array with 2 rows and 8 columns.

Problem 7: Jumps on a number line

Write a multiplication sentence for the jumps.



6 jumps of 3 on a number line.

Problem 8: Bike wheels

Jamal sees 7 bikes at the park. Each bike has 2 wheels. How many wheels are there?

Problem 9: Egg cartons

A farmers market stand has 4 cartons. Each carton holds 6 eggs. How many eggs does the

stand have?

Problem 10: Match the meaning

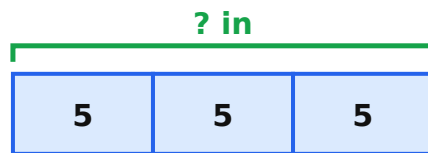
Which story matches 4×5 ? Write the letter.

- a. Diego has 4 bags with 5 apples in each bag.
- b. Diego has 4 apples and 5 more apples.
- c. Diego has 5 bags with 9 apples in each bag.

Then find the total number of apples in the story you chose.

Problem 11: Ribbon lengths

Mei cuts 3 pieces of ribbon. Each piece is 5 inches long. How many inches of ribbon does she cut in all?



3 equal parts

3 ribbon pieces of 5 inches each.

Problem 12: Price of pens

A pen costs \$3. Sofia buys 5 pens. How much do the pens cost in all?



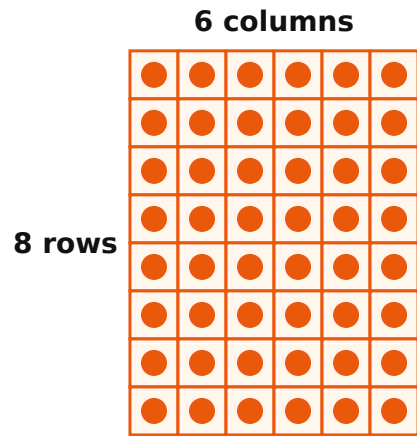
5 price tags of 3 dollars.

Problem 13: Unknown product

Solve $9 \times 3 = p$. Use skip counting or a drawing.

Problem 14: Theater seats

A small theater has 8 rows with 6 seats in each row. How many seats are in the theater?



An array with 8 rows and 6 columns.

Problem 15: Sticker sheets

Priya has 5 sheets of stickers. Each sheet has 7 stickers. How many stickers does she have?

Problem 16: Garden rows

Liam plants 7 rows of tomato plants. Each row has 4 plants. How many tomato plants does he plant?

Problem 17: Unknown group size

Four plates each hold the same number of cookies. There are 20 cookies in all. This is shown by $4 \times n = 20$. Find n .

Problem 18: Marble bags

Noah has 3 bags with 8 marbles in each bag and 5 loose marbles. How many marbles does he have?

Problem 19: Swimming lengths

Aisha swims 4 lengths of a pool. One length is 25 yards. How many yards does she swim in all?

Problem 20: Movie tickets

Six friends each buy a movie ticket for \$7. How much do the friends spend on tickets?

Problem 21: Little League teams

Five Little League teams have 9 players each. How many players are there in all? Write an equation with a letter for the unknown.

Problem 22: Pencils given away

Sofia has 4 packs of pencils with 6 pencils in each pack. She gives 7 pencils to her class. How many pencils does she have left?

Problem 23: Bake sale trays

Ethan bakes 6 trays of cookies for the bake sale. Each tray holds 9 cookies. Write an equation with a letter and find how many cookies he bakes.

Problem 24: Two shelves of books

A library cart has 3 shelves. Each shelf holds 9 books. Another cart has 2 shelves with 8 books on each shelf. How many books are on both carts?