MATH

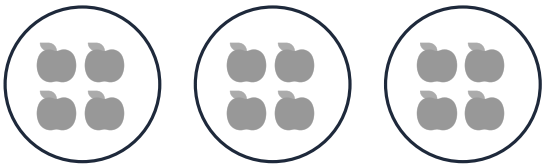
Equal groups

Name _____ Date _____

I can use equal groups to multiply.

1 How it works

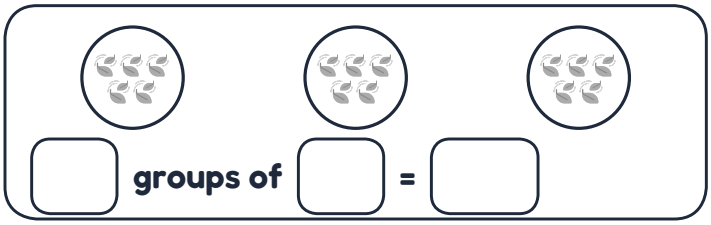
Equal groups have the same number in each group. 3 groups of 4 apples is 12 apples. We write it as 3 × 4 = 12. The first number tells how many groups, and the second tells how many are in each group.

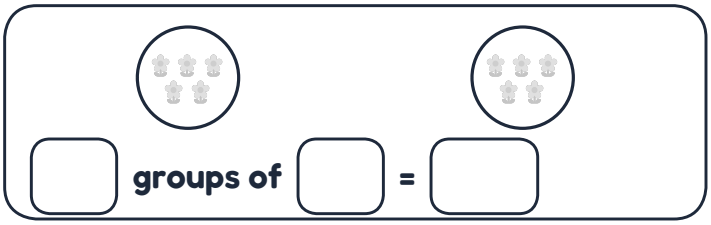


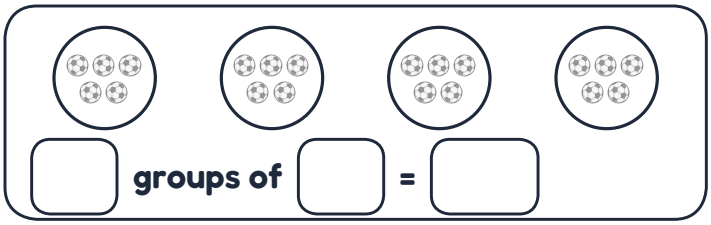
3 groups of 4 = 3 × 4 = 12

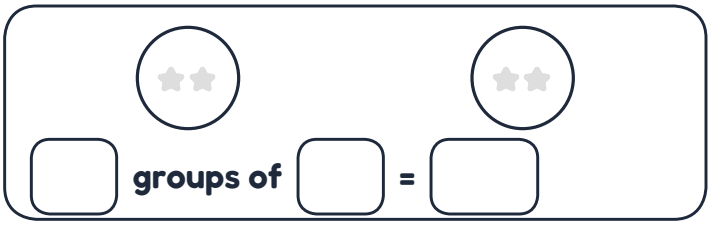
2 Count the groups. Write the numbers.

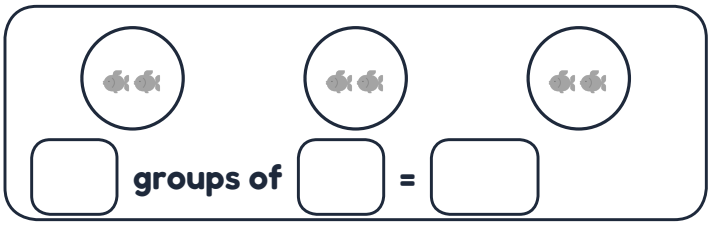
How many groups? How many in each?

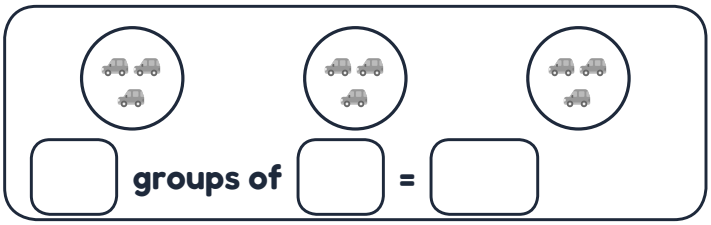












How did I do? ☆ ☆ ☆

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Practice

Name _____ Date _____

I can draw equal groups and write a multiplication.

1 Draw the groups

Draw circles, then dots inside.

Draw 3 groups of 4.

Total

Draw 4 groups of 4.

Total

Draw 4 groups of 2.

Total

Draw 2 groups of 3.

Total

2 Write it as a multiplication

4 groups of 6 = ☐ × ☐ = ☐

5 groups of 7 = ☐ × ☐ = ☐

4 groups of 3 = ☐ × ☐ = ☐

6 groups of 5 = ☐ × ☐ = ☐

2 groups of 6 = ☐ × ☐ = ☐

5 groups of 6 = ☐ × ☐ = ☐

How did I do? ☆ ☆ ☆

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Think deeper

Name _____ Date _____

I can explain my thinking about multiplication.

1 Equal groups? Circle yes or no.

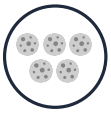
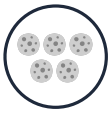
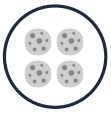



yes no





yes no




yes no




yes no

2 Two ways to make the total

Write two different equal groups.

12 = ☐ **groups of** ☐ **and** ☐ **groups of** ☐

18 = ☐ **groups of** ☐ **and** ☐ **groups of** ☐

3 Think about it

1. Do 3 groups of 4 and 4 groups of 3 have the same total?
2. How many groups of 2 make 10?
3. What makes groups "equal"?

How did I do? ☆ ☆ ☆

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Word problems

Name _____ Date _____

I can use multiplication to solve a problem.

1 Read, draw, solve

Draw groups, an array or jumps in the box.

1 There are 4 plates with 3 cookies on each plate. How many cookies?

Answer: _____

2 Ben puts 5 pencils in each of 2 cups. How many pencils?

Answer: _____

3 A farmer has 3 coops with 6 hens in each coop. How many hens?

Answer: _____

4 Aisha has 12 stickers and makes equal groups of 4. How many groups?

Answer: _____

How did I do? ☆ ☆ ☆

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FOR TEACHERS AND PARENTS

Answer key: equal groups

1 Page 1

Groups: 1) 3 groups of 5 = 15; 2) 2 groups of 5 = 10; 3) 4 groups of 5 = 20; 4) 2 groups of 2 = 4; 5) 3 groups of 2 = 6; 6) 3 groups of 3 = 9.

2 Page 2

Draw: 1) 3 groups of 4 = 12; 2) 4 groups of 4 = 16; 3) 4 groups of 2 = 8; 4) 2 groups of 3 = 6.
Multiply: 1) 4 × 6 = 24; 2) 5 × 7 = 35; 3) 4 × 3 = 12; 4) 6 × 5 = 30; 5) 2 × 6 = 12; 6) 5 × 6 = 30.

3 Page 3

Equal: 1) no; 2) yes (4 × 4 = 16); 3) no; 4) yes (3 × 3 = 9).
Two ways: 1) 3 groups of 4, 2 groups of 6 (or 4 of 3, 6 of 2); 2) 3 groups of 6, 2 groups of 9.
Think: 1) Yes, both are 12; 2) 5 groups; 3) Each group has the same number.

4 Page 4: word problems

1) 4 × 3 = 12 cookies
2) 2 × 5 = 10 pencils
3) 3 × 6 = 18 hens
4) 3 groups (3 × 4 = 12)

5 Teaching tip

Use paper plates and counters. Children put the same number on each plate and say "3 groups of 4" before they write anything.

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