Set A pages 7–12

How many is 3 groups of 4?

| 12 |
| 4 | 4 | 4 |
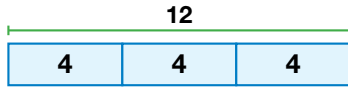
$4 + 4 + 4 = 12$
$3 \times 4 = 12$
$4 + 4 + 4 = 3 \times 4$

Remember that you can use addition or multiplication to join equal groups.

Complete each equation. Use counters or draw a picture to help.

1. $2 + 2 + 2 = 3 \times$ _____

2. _____ + _____ + _____ $= 3 \times 6$

3. $8 +$ _____ $+$ _____ $=$ _____ $\times 8$

Set B pages 13–18

Skip count by 4s three times.

You can use a number line to find 3×4.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
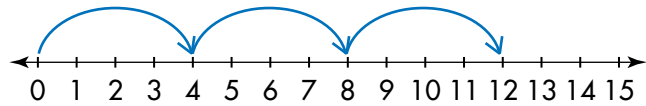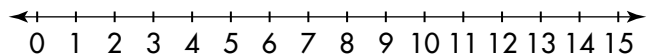
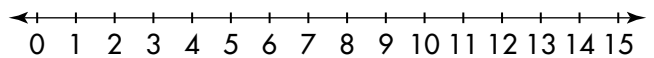Number of jumps: 3
Number in each jump: 4

$3 \times 4 = 12$

Remember that you can show skip counting on a number line.

Use the number line to complete each multiplication equation.

1. $2 \times 3 =$ _____

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

2. $4 \times 3 =$ _____
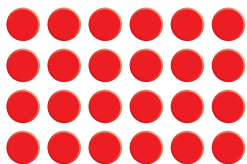
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Set C pages 19–24

Find 4×6.
The array shows 4 rows of 6 counters.

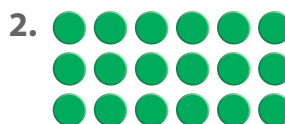Each row is an equal group. You can use addition, skip counting, or multiplication to find the total.

$6 + 6 + 6 + 6 = 24$
$6, 12, 18, 24$
$4 \times 6 = 24$
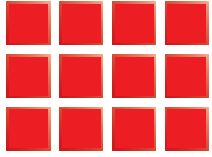
Remember that an array shows objects in equal rows.

Show how to use addition, skip counting, and multiplication for each array.

1.

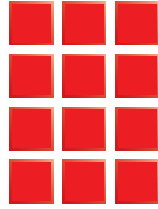**2.**

This array shows 3 rows of 4.

This array shows 4 rows of 3.

$3 \times 4 = 12$

$4 \times 3 = 12$

So, $3 \times 4 = 4 \times 3$.

Remember that the Commutative Property of Multiplication says you can multiply factors in any order and the product is the same.

Draw an array and write the products.

1. $2 \times 5 = $ ____ $5 \times 2 = $ ____

2 friends share 6 fruit snacks equally. How many fruit snacks does each friend get?

$6 \div 2 = 3$ fruit snacks

You can use repeated subtraction.

$6 - 2 = 4$ You subtract 2 from 6 three
$4 - 2 = 2$ times to reach zero.
$2 - 2 = 0$

$6 \div 2 = 3$

Remember that division is an operation to find the number of equal groups or the number in each equal group.

1. 9 raisin boxes are shared by 3 children. Each child gets ☐ raisin boxes.

2. $12 \div 2 = $ ____

3. $10 \div 5 = $ ____

4. $25 \div 5 = $ ____

5. $16 \div 4 = $ ____

Think about these questions to help you **use appropriate tools strategically**.

Thinking Habits

Which tools can I use?

Why should I use this tool to help me solve the problem?

Is there a different tool I could use?

Am I using the tool appropriately?

Remember that you can use digital tools.

Sam makes enough muffins to give 8 of her friends 3 muffins each. Each tray holds 6 muffins. How many trays does she need?

1. Choose a tool to represent the problem. Explain why you chose that tool.

2. Solve. Explain how the tool helped.