

1 Warm-up: Add Equal Groups

2-min Fluency Warm-up — Add the equal groups in your head.

$4 + 4 = \underline{\hspace{2cm}}$

$3 + 3 + 3 = \underline{\hspace{2cm}}$

$5 + 5 = \underline{\hspace{2cm}}$

$2 + 2 + 2 + 2 = \underline{\hspace{2cm}}$

2 The $\times$ Sign Means Groups Of

The $\times$ sign means "groups of." 3×4 means "3 groups of 4" — the same as $4 + 4 + 4$!



$4 + 4 + 4 = 12$

$3 \times 4 = 12$

Say it: "3 groups of 4"



$5 + 5 = 10$

$2 \times 5 = 10$

Say it: "2 groups of 5"

3 Match: Addition to Multiplication

Write the multiplication sentence that matches. The first number is HOW MANY groups.

$3 + 3 + 3 + 3 = 12$

$\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

$6 + 6 = 12$

$\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

$2 + 2 + 2 = 6$

$\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

$5 + 5 + 5 = 15$

$\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

4 Number Talk: What Does $\times$ Mean?

Number Talk — Explain WITHOUT calculating.

Ben says 4×2 means " $4 + 2$."

Is Ben right? What does 4×2 REALLY mean?

My thinking: $\underline{\hspace{4cm}}$

Which is bigger: 5×2 or $5 + 2$?

How do you know?

My thinking: $\underline{\hspace{4cm}}$

5 Challenge: Show Two Different Ways

Challenge — Show 4×3 in **two different ways**: as repeated addition AND as a drawing (groups or an array).

Way 1 (repeated addition): $\underline{\hspace{4cm}}$

Way 2 (drawing):

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