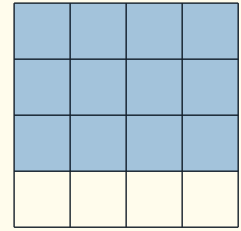


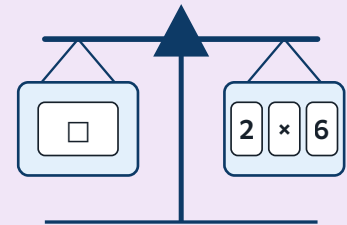
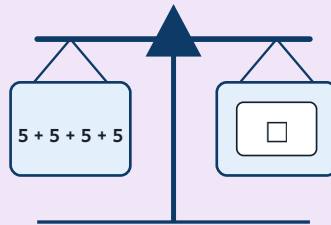
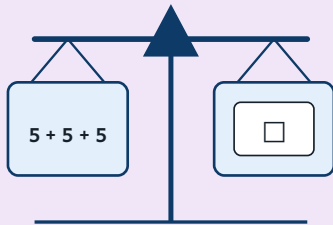
$$4 + 4 + 4 = 3 \times 4$$

- 1 The grid shows three rows with four squares in each row.
- 2 Three rows of 4 is the same as the addition $4 + 4 + 4$.
- 3 Three lots of 4 is written as the multiplication 3×4 .
- 4 Both equal 12, so $4 + 4 + 4 = 3 \times 4$.



WARM-UP

Each beam is level. One pan is filled in: write what must go in the empty pan to match it.



1. The left pan is a repeated addition. Write the matching multiplication on the right.
2. The left pan is a repeated addition. Write the matching multiplication on the right.
3. The right pan is a multiplication. Write the matching repeated addition on the left.

PRACTICE

- 1 Sam buys 3 apples that each cost 7 cent. Write his repeated addition $7 + 7 + 7$ as a matching multiplication. _____
- 2 Four fruit trays each hold 3 oranges. Write $3 + 3 + 3 + 3$ as a matching multiplication. _____

SPOT THE MISTAKE

Tomás balances $4 + 4 + 4$ like this:

$$4 + 4 + 4 = 4 \times 4$$

Both sides equal 16

Tomás is wrong. What should the multiplication be, and what do both sides equal?

Explain _____ Answer _____

REFLECT

When does knowing that order does not matter in addition or multiplication save you time?