Write and Solve Equations with Unknowns

Let's work with equations with unknown numbers.

Warm-up

Number Talk: Fives

Find the value of each expression mentally.

- 1×5

- 2×5

- 3×5

- 4×5

Card Sort: Unknown Numbers

Your teacher will give you a set of cards. Match each equation to a situation or diagram. Be ready to explain your reasoning.
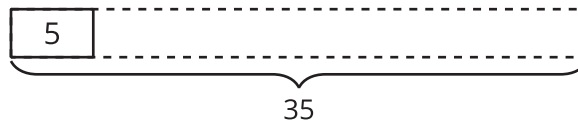
Write Equations with an Unknown Number

- Write a multiplication equation to represent each diagram or situation. Use a symbol for the unknown. Be prepared to share your reasoning.

- Find the number that makes each equation true. Rewrite the equation with the solution.
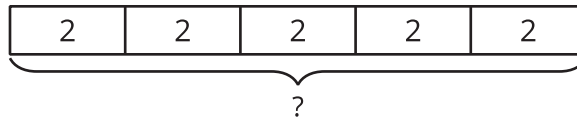
1.

- equation with symbol: _____

- equation with solution: _____

2. Jada has some packs of sports cards. Each pack has 5 cards. If Jada has 45 cards, how many packs of cards does she have?

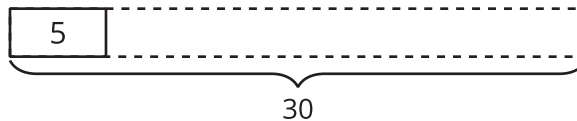- equation with symbol: _____

- equation with solution: _____

3.

| 2 | 2 | 2 | 2 | 2 |

?

- equation with symbol: _____

- equation with solution: _____

4.

| 5 | (dashed) |

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- equation with symbol: _____

- equation with solution: _____

5. The school has 6 bags. Each bag has 10 basketballs in it. How many basketballs does the school have?

- equation with symbol: _____

- equation with solution: _____