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

Activity 1

Card Sort: Unknown Numbers

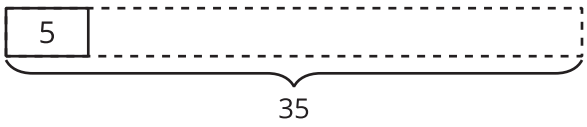
Your teacher will give you a set of cards. Match each equation to a situation or diagram. Be ready to explain your reasoning.

Activity 2

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.

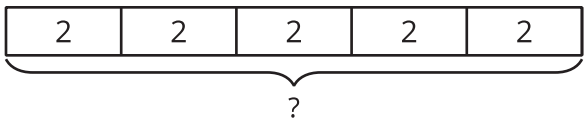


   - equation with symbol: _____
   - equation with solution: _____

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?

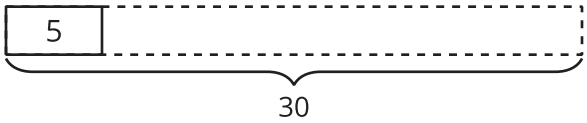
   - equation with symbol: _____
   - equation with solution: _____

3.



- equation with symbol: _____
- equation with solution: _____

4.



- 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: _____