

# 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.

- $1 \times 5$

- $2 \times 5$

- $3 \times 5$

- $4 \times 5$



## 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.

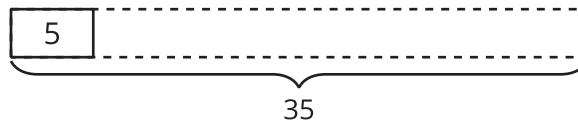


## Activity 2

### 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.

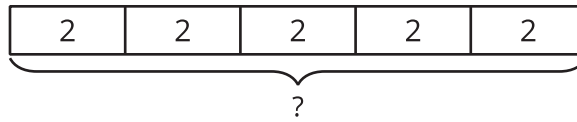


- equation with symbol: \_\_\_\_\_
- equation with solution: \_\_\_\_\_

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: \_\_\_\_\_

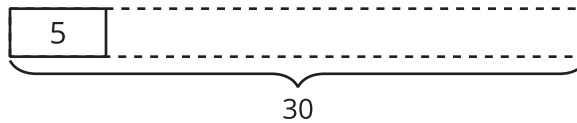
3.



◦ 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: \_\_\_\_\_