

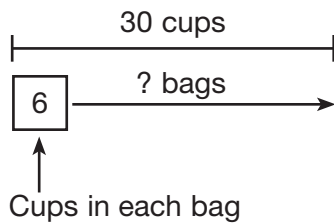
Multiplication and Division Facts

A class is making popcorn for a carnival. Each batch makes 30 cups. They put the popcorn in bags that hold 6 cups each. How many bags of popcorn does one batch make?

You can solve the problem using division or multiplication.

Division

How many groups of 6 are in 30?

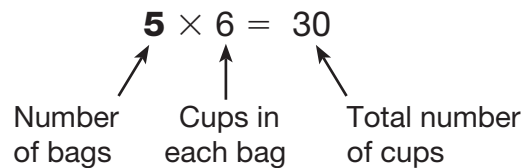


Divide the total number of cups by the number of cups in each bag:

$$30 \div 6 = \mathbf{5} \leftarrow \text{Number of bags}$$

Multiplication

What number times 6 equals 30?



Each batch of popcorn makes 5 bags.

Complete the equations.

- | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|
| 1. $21 \div 3 = \square$ | 2. $36 \div 6 = \square$ | 3. $18 \div 9 = \square$ | 4. $54 \div 9 = \square$ |
| $3 \times \square = 21$ | $6 \times \square = 36$ | $9 \times \square = 18$ | $9 \times \square = 54$ |

5. There are 24 students running in a relay race. Each relay team needs 4 students. How many teams will they make? Write a division sentence and a multiplication sentence.
- _____
- _____

6. **Writing to Explain** The same number makes both of these equations true. What number is it? Explain.

$$56 \div 8 = \blacksquare \qquad 8 \times \blacksquare = 56$$
