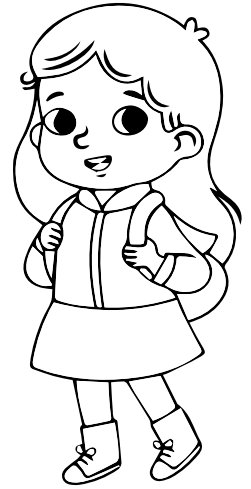




# Final Review: Balancing Equations for Third Grade



## I. What Are Equations?

An equation is a mathematical sentence that shows two expressions are equal. It uses the equal sign (=) to show both sides of the equation are the same.

For example:

$$3 \times 4 = 12$$

$$20 \div 4 = 5$$

In both examples, the number on the left side of the equation is equal to the number on the right side.

## II. Balancing Equations

When balancing equations, you want both sides to be equal. Sometimes, one side of the equation will have a missing number. Your job is to figure out what number should go in the blank so both sides are equal.

Example:  $5 \times \_ = 25$

To balance the equation, you need to find the number that, when multiplied by 5, equals 25. The answer is 5, so the complete equation is:  $5 \times 5 = 25$

## III. Multiplication Equations

In multiplication equations, we find the missing number that, when multiplied by the known number, equals the result.

Example:  $4 \times \_ = 16$

Step 1: Think: "What number multiplied by 4 equals 16?"

The answer is 4, because  $4 \times 4 = 16$ .

## IV. Division Equations

In division equations, we find the missing number that, when divided by the known number, gives the result.

Example:  $24 \div \_ = 6$

Step 1: Think: "What number divided by 6 equals 24?"

The answer is 4, because  $24 \div 6 = 4$ .