

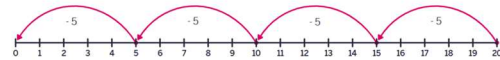
## Using a Number Line for Division

Number lines break division problems into smaller, manageable steps, making them easier to visualise.

### How to Use a Number Line to Divide:

1. **Find the dividend.** Locate the number you are dividing by on the number line.
2. **Subtract the divisor.** Jump backwards by the number you are dividing by, drawing an arc to represent each step. Label each arc.
3. **Repeat subtraction.** Continue subtracting the divisor until nothing remains (or until no subtraction is no longer possible). Any leftover value is the remainder.
4. **Count the subtractions.** Determine how many times you subtracted the divisor. The number is the quotient, or the answer to the division.
5. **State the final result.** Clearly state the final answer, including any remainder if applicable.

**Example:**  $20 \div 5 =$



I subtracted five four times to reach zero.

$$20 \div 5 = 4$$

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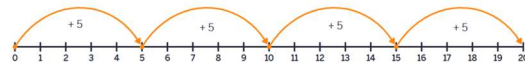
## Using a Number Line for Division

Number lines break division problems into smaller, manageable steps, making them easier to visualise.

### How to Use a Number Line to Divide:

1. **Start at zero.** Begin at zero on the number line.
2. **Add the divisor.** Jump forward by the number you are dividing by, drawing an arc representing each step. Label each arc.
3. **Repeat addition.** Continue adding the divisor until you reach or you get as close as possible to the dividend. Any difference left is the remainder.
4. **Count the jumps.** The number of times you added the divisor is the quotient – the final answer to the division problem.
5. **State the final result.** Clearly state the final answer, including any remainder if applicable.

**Example:**  $20 \div 5 =$



I added five four times to make 20.

$$20 \div 5 = 4$$

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