Multiplication on the Number line

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A number line is a line with numbers written in order. We can use the number line to show multiplication by making jumps. Each jump is equal to the number being added again and again. It helps us see and count multiplication easily.

How to Use the Number Line

- Start at 0 on the number line.
- Make equal jumps.
- The number of jumps tells how many times we multiply.
- The size of the jump tells what number we multiply.

Examples with Solutions

i. Show 2 × 5 on the number line

Make 3 jumps of 2 \rightarrow 0 \rightarrow 2 \rightarrow 4 \rightarrow 6 \rightarrow 8 \rightarrow 10



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Answer: 6
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ii. Show 4 × 2 on the number line

Make 2 jumps of $4 \rightarrow 0 \rightarrow 4 \rightarrow 8$

Answer: 8

iii. Show 3 × 4 on the number line

Make 4 jumps of 3 \rightarrow 0 \rightarrow 3 \rightarrow 6 \rightarrow 9 \rightarrow 12

Answer: 12

Summary Points

- A number line helps us see multiplication as jumps.
- We start from 0 and take equal jumps.
- Number of jumps = how many times to multiply.
- Size of each jump = the number being multiplied.
- It makes multiplication easy and visual.