



ANCHOR CHART · GRADES 3-5 · 3.OA.D.8 | 4.OA.A.2

Tape Diagrams

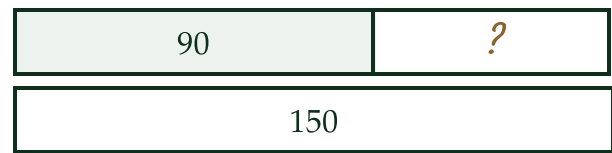
One picture that fits every operation - the ? shows exactly what the problem is hiding.

Addition - *part + part, whole unknown*



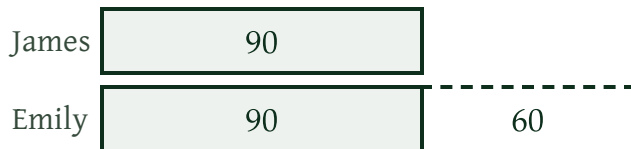
$$90 + 60 = ?$$

Subtraction - *one part is missing*



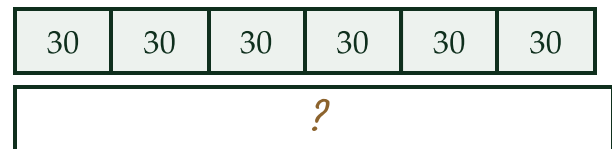
$$150 - 90 = ? \text{ or } 90 + ? = 150$$

Comparison - *"60 more than"*



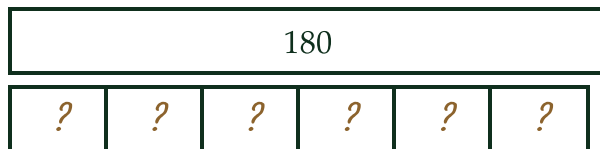
Emily solved $90 + 60 = ?$

Multiplication - *equal parts, whole unknown*



$$30 \times 6 = ?$$

Division - *whole known, parts unknown*



$$180 \div 6 = ? \text{ or } 6 \times ? = 180$$

How to Read a Tape

- The **whole** is one long bar.
- **Parts** share a bar, side by side. Equal parts are the same length.
- The ? marks what the problem hides - find it before you compute.
- Same lengths, different question → different operation.