

Turning a word problem into a number sentence

MODULE 10 · ALGEBRA — PATTERNS, RULES AND NUMBER SENTENCES

ALGEBRA

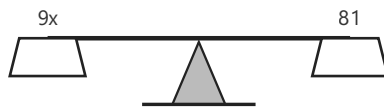
HOW TO ANSWER TODAY

- **Solve for x.** Do the OPPOSITE operation to both sides. + becomes -; $\times$ becomes $\div$.

$$x + 7 = 15 \rightarrow x = 15 - 7 = 8 \cdot 3x = 21 \rightarrow x = 21 \div 3 = 7$$

 STRETCH PROBLEMS

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Find x so the scale balances.

Mr Ó Briain pins up **81** homework stickers on the classroom noticeboard, arranged in **9** equal rows with x stickers in each row. Solve $9x = \mathbf{81}$ to find how many stickers are in each row.