

Two-step equations – informal solving

MODEL THIS ON THE BOARD

SOLVE $3x + 4 = 19$

- 1 Undo the $+ 4$ first — subtract 4 from both sides: $3x = 15$.
- 2 Now undo the $\times 3$ — divide both sides by 3: $x = 5$.
- 3 Check: $3 \times 5 + 4 = 15 + 4 = 19 \checkmark$

ANSWER KEY

a) $2x = 8$; $x = 4$.

b) $3a = 15$; $a = 5$.

c) $5k = 25$; $k = 5$.

d) $4n = 24$; $n = 6$.

Q1: $x = 5$

Q2: $x = 11$

Q3: $x = 11$

Q4: $x = 8$

EXTENSION SHEET · STRETCH ANSWERS

S1: $x = 10$

S2: $x = 9$

S3: $x = 7$