

Multiplying decimals by whole numbers

WHAT THIS LESSON TEACHES

Multiply as if there were **no decimal point**, then put the point back so the answer has the **same number of decimal places** as the decimal you started with.

→ $3.4 \times 6 \rightarrow 34 \times 6 = 204 \rightarrow \mathbf{20.4}$.

→ Check by estimating: $3.4 \times 6 \approx 3 \times 6 = 18$.

	$\times 30$	$\times 4$
6	180	24

Total: $180 + 24 =$

MODEL THIS ON THE BOARD

WORK OUT 3.4×6

- ① Ignore the point: $34 \times 6 = \mathbf{204}$.
- ② 3.4 has **one** decimal place, so the answer has one: **20.4**.
- ③ Check: $3.4 \times 6 \approx 3 \times 6 = 18$, so 20.4 is sensible.

ANSWER KEY

Warm-up: a) 345 b) 261 c) 65 d) 425

Q1: 182.7

Q3: 2975

Q2: 233.1

Q4: 2813

EXTENSION SHEET · STRETCH ANSWERS

S1: 2001

S3: 756.9

S2: 352.5