

WORK OUT 0.6×4

- 1 Multiply the whole-number core: $6 \times 4 = 24$.
- 2 Count the decimal places in 0.6 (one place).
- 3 Move the point one place left in 24 to get **2.4**.

WARM-UP

Mark the three product values on the shopping number line from 0 to 5.

	$\times 20$	$\times 3$
10	200	30
7	140	21

Total: $200 + 30 + 140 + 21 = 391$

1. Mark 0.75 from the apples
2. Mark 2.7 from the milk cartons
3. Mark 3.75 from the oranges

PRACTICE

- 1 Apples cost **€0.25** each in the shop. How much for **3** apples?
- 2 You buy **12** bananas at **€0.40** each. What is the total cost?
- 3 Pears are **€0.80** each. How much do **7** pears cost?
- 4 A bag of oranges costs **€1.25**. How much for **3** bags?
- 5 Milk cartons are **€0.45** each. What do **6** cartons cost?
- 6 You buy **6** small packs of nuts at **€0.045** each. What is the total?

? ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- a. Multiplying a positive decimal by a whole number greater than 1 makes it bigger. ☐
- b. The answer has the same number of decimal places as the decimal you multiplied. ☐
- c. 0.045×6 gives an answer with three decimal places. ☐
- d. Estimating 3.9×4 as $4 \times 4 = 16$ gives the exact answer. ☐