

WORK OUT 243×4 BY SPLITTING

- 1 Split 243 into **200 + 40 + 3**.
- 2 Multiply each part by 4: $200 \times 4 = \mathbf{800}$, $40 \times 4 = \mathbf{160}$, $3 \times 4 = \mathbf{12}$.
- 3 Add the three parts: $800 + 160 + 12 = \mathbf{972}$.

	$\times 200$	$\times 40$	$\times 3$
4	800	160	12

Total: $800 + 160 + 12 = 972$

 WARM-UP

Use the three blank three-cell grids printed on the page.

	$\times 200$	$\times 40$	$\times 6$
3	600	120	18

1. Fill the first grid for 182×6 by writing the split parts and the three partial products
2. Fill the second grid for 327×3 by writing the split parts and the three partial products
3. Fill the third grid for 246×7 by writing the split parts and the three partial products

 PRACTICE

- 1 A GAA club orders 216 club jerseys and each jersey has 3 crests stitched on. How many crests are stitched altogether for 216×3 ?
- 2 Each of 6 hurling squads collects 158 sliotars for training. How many sliotars is 158×6 in total?
- 3 A club buys 123 club badges at 3 badges per member's kit. How many badges is 123×3 altogether?
- 4 A GAA fundraiser sells 215 raffle tickets on each of 4 match days. How many tickets is 215×4 in all?

! SPOT THE MISTAKE

Sean works out 234×3 like this:

$$200 \times 3 = 600$$

$$30 \times 3 = 90$$

$$4 \times 3 = 12$$

$$600 + 90 + 12 = 602$$

Find Sean's mistake. What's the correct answer?

The mistake _____ Correct answer {

REFLECT

Did the grid make the parts of the product clearer for you?