

LO: To use written methods for multiplication (bronze)

Practise Complete these calculations:

- 1) 3723×7
- 2) 12.48×3
- 3) 673×5
- 4) 45.48×3
- 5) 657×13
- 6) 3637×15
- 7) 328×17
- 8) 538×15

Fluency

- 9) Mo Farah runs 129 miles a week. How many miles does he run in a year?
- 10) Harry has £30. He wants to save ten times this amount. How much more does he need to save?
- 11) Usain Bolt runs 8 miles a day. How many miles does he run in a fortnight?
- 12) Henry has 5 Match Attax folders that hold 345 cards each. How many cards do they hold altogether?
- 13) Aaron types 319 words an hour. How many words does he type in 24 hours?

- 14) Write the correct multiplications to complete the calculations.

$$1,247 \times 37$$

$$2,031 \times 29$$

$$2,413 \times 23$$

x					
	7	2	3	9	
	4	8	2	6	0

x					
	8	7	2	9	
	3	7	4	1	0

x					
	1	8	2	7	9
	4	0	6	2	0

LO: To use written methods for multiplication (silver)

Practise Complete these calculations:

- 1) 673×5
- 2) 45.48×3
- 3) 657×13
- 4) 3637×15
- 5) 328×17
- 6) 538×15

Fluency

- 7) Henry has 5 Match Attax folders that hold 345 cards each. How many cards do they hold altogether?
- 8) A box of raisins holds 45 raisins. There are 12 packs in a multipack. How many raisins are there altogether?
- 9) Aaron types 319 words an hour. How many words does he type in 24 hours?

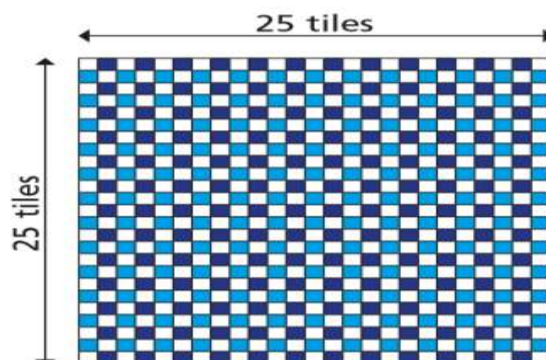
Reasoning

- 10) Sarah thinks that a 4 should be placed in the gap in the calculation below. Do you agree? $47_ \times 23 = 10902$
- 11) Daniel says "It doesn't matter whether you multiply by the unit first or the tens, as long as when multiplying by the 10's you remember your place value '0'." Is he correct? Prove it.

Problem solving

12)

Mr Smith has tiled his kitchen floor.



Each tile costs 18p.

How much does the floor cost in total?

LO: To use written methods for multiplication (gold)

Practise Complete these calculations:

- 1) 657×13
- 2) 3637×15
- 3) 328×17
- 4) 538×15

Fluency

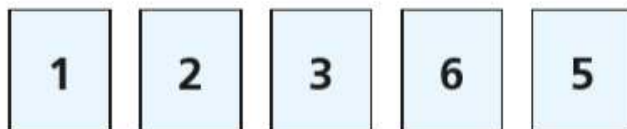
- 5) A box of raisins holds 45 raisins. There are 12 packs in a multipack. How many raisins are there altogether?
- 6) Aaron types 319 words an hour. How many words does he type in 24 hours?

Reasoning

- 7) Sarah thinks that a 4 should be placed in the gap in the calculation below. Do you agree? $47_ \times 23 = 10902$
- 8) Daniel says "It doesn't matter whether you multiply by the unit first or the tens, as long as when multiplying by the 10's you remember your place value '0'." Is he correct? Prove it.

Problem Solving

- 9) Caroline says "250 ends in a zero therefore, when multiplying, I can only make 250 by multiplying by 5 or 10." Do you agree? How many ways can you find to disprove this?
- 10) Look at the calculation below. The calculation uses each of the digits 0-9 once only. Can you find the missing numbers to make the calculation correct? Is there more than one way? $_ _ _ _ \times 3 = _ _ _ _ _ _ _ _ _ _$
- 11)



What is the greatest product you can make that is also an odd number?

LO: To use written methods for multiplication (bronze) - answers

Practise Complete these calculations:

- 1) 26061
- 2) 37.44
- 3) 3365
- 4) 136.44
- 5) 8541
- 6) 54555
- 7) 5576
- 8) 8070

Fluency

- 9) 6708
- 10) £270
- 11) 112
- 12) 1725
- 13) 7656
- 14)

Write the correct multiplications to complete the calculations.

$1,247 \times 37$	$2,031 \times 29$	$2,413 \times 23$
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$\begin{array}{r} \times \\ 7239 \\ 48260 \end{array}$	$\begin{array}{r} \times \\ 8729 \\ 37410 \end{array}$	$\begin{array}{r} \times \\ 18279 \\ 40620 \end{array}$
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Note: Red lines in the original image connect the boxes above to the grids below, indicating a mismatch between the problems and the provided grids.

LO: To use written methods for multiplication (silver) - answers

Practise Complete these calculations:

- 1) 3365
- 2) 136.44
- 3) 8541
- 4) 54555
- 5) 5576
- 6) 8070

Fluency

- 7) 1725
- 8) 540
- 9) 7656

Reasoning

- 10) Yes
- 11) He is correct - proof will show both ways round

Problem solving

- 12) £112.50

LO: To use written methods for multiplication (gold) - answers

Practise Complete these calculations:

- 1) 8541
- 2) 54555
- 3) 5576
- 4) 8070

Fluency

- 5) 540
- 6) 7656

Reasoning

- 7) Yes
- 8) He is correct - proof will show both ways round

Problem Solving

- 9) No because for example $125 \times 2 = 250$
- 10) $5694 \times 3 = 17082$
- 11) $621 \times 53 = 32,913$