

1

$$\begin{array}{r} 418 \\ \times 46 \\ \hline \end{array}$$

Show
your
method

2 marks

2

$$\begin{array}{r} 2195 \\ \times 38 \\ \hline \end{array}$$

Show
your
method

2 marks

3

$$71 \times 8 =$$

1 mark

$729 \times 4 =$

1 mark

$$\begin{array}{r} 678 \\ \times \underline{54} \end{array}$$

2 marks

 $8 \times 33 =$

1 mark

 $9 \times 41 =$

1 mark

8

$$\begin{array}{r} 54 \\ \times 23 \\ \hline \end{array}$$

Show
your
method



2 marks

9

$$\begin{array}{r} 3468 \\ \times \quad 62 \\ \hline \end{array}$$

Show
your
method



2 marks

10

$$\begin{array}{r} 4781 \\ \times 23 \\ \hline \end{array}$$

Show
your
method

[illegible]

2 marks

11

$$\begin{array}{r} 5413 \\ \times \quad 86 \\ \hline \end{array}$$

Show your method



2 marks

12

$$\begin{array}{r} 836 \\ \times 27 \\ \hline \end{array}$$

Show
your
method

2 marks

13

$$\begin{array}{r} 785 \\ \times 23 \\ \hline \end{array}$$

Show
your
method

2 marks

14

$$2 \times 45 =$$

1 mark

Mark schemes

1

Award **TWO** marks for the correct answer of 19,228

If the answer is incorrect, award **ONE** mark for the formal method of long multiplication with no more than **ONE** arithmetic error, e.g.

- $$\begin{array}{r}
 418 \\
 \times \quad 46 \\
 \hline
 2508 \\
 16720 \\
 \hline
 18228 \text{ (error)}
 \end{array}$$

OR

- $$\begin{array}{r}
 418 \\
 \times \quad 46 \\
 \hline
 2508 \\
 16620 \text{ (error)} \\
 \hline
 19128
 \end{array}$$

*Working must be carried through to reach a final answer for the award of **ONE** mark.*

Do not award any marks if the error is in the place value, e.g. the omission of the zero when multiplying by tens:

- $$\begin{array}{r}
 418 \\
 \times \quad 46 \\
 \hline
 2508 \\
 1672 \text{ (place value error)} \\
 \hline
 4180
 \end{array}$$

Up to 2m

[2]

2

For 2 marks:

83 410

For 1 mark:

$$\begin{array}{r}
 2195 \\
 \times \quad 38 \\
 \hline
 17560 \\
 65850 \\
 \hline
 83410
 \end{array}$$

*An error in one row, then added correctly,
or an error in the addition*

Up to 2

[2]

3

568

[1]

4

2916

[1]**5**Award **TWO** marks for the correct answer of 36,612.

If the answer is incorrect, award **ONE** mark for the formal method of long multiplication which contains no more than **ONE** arithmetical error, e.g:

- $$\begin{array}{r} 678 \\ \times \quad 54 \\ \hline 33900 \\ \quad 2712 \\ \hline \end{array}$$

wrong answer

Do not award any marks if:

- the error is in the place value, e.g. the omission of the zero when multiplying by tens, i.e:

$$\begin{array}{r} 678 \\ \times \quad 54 \\ \hline 3390 \\ \quad 2712 \\ \hline \end{array}$$

wrong answer

- the final (answer) line of digits is missing.

Working must be carried through to reach an answer for the award of **ONE** mark.

Up to 2

[2]**6**

264

[1]**7**

369

[1]

Award **TWO** marks for the correct answer of 1242.

If the answer is incorrect, award **ONE** mark for the formal method of long multiplication which contains no more than **ONE** arithmetical error, e.g:

- $$\begin{array}{r} 54 \\ \times 23 \\ \hline 162 \\ 1080 \\ \hline \end{array}$$

wrong answer

Do not award any marks if:

- the error is in the place value, e.g. the omission of the zero when multiplying by tens:

$$\begin{array}{r} 54 \\ \times 23 \\ \hline 162 \\ 108 \\ \hline \end{array}$$

wrong answer

- the final (answer) line of digits is missing.

Working must be carried through to reach an answer for the award of **ONE** mark.

Commentary: Two marks are awarded for the correct answer. However, if the answer is incorrect, one mark can only be awarded if the pupil has used the formal method of long multiplication.

Up to 2

[2]

9

Award **TWO** marks for the correct answer of 215,016

If the answer is incorrect, award **ONE** mark for the formal method of long multiplication with no more than **ONE** arithmetic error, e.g.

- $$\begin{array}{r} 3468 \\ \times \quad 62 \\ \hline 6936 \\ 208080 \\ \hline 214016 \text{ (error)} \end{array}$$

OR

- $$\begin{array}{r} 3468 \\ \times \quad 62 \\ \hline 6934 \text{ (error)} \\ 208080 \\ \hline 215014 \end{array}$$

*Working must be carried through to reach a final answer for the award of **ONE** mark.*

Do not award any marks if the error is in the place value, e.g. the omission of the zero when multiplying by tens:

$$\begin{array}{r} 3468 \\ \times \quad 62 \\ \hline 6936 \\ 20808 \text{ (place value error)} \\ \hline 27744 \end{array}$$

Up to 2m

[2]

10

Award **TWO** marks for the correct answer of 109,963

If the answer is incorrect, award **ONE** mark for a formal method of long multiplication with no more than **ONE** arithmetical error, e.g.

- $$\begin{array}{r}
 4781 \\
 \times \quad 23 \\
 \hline
 14343 \\
 \underline{95620} \\
 209963 \text{ (error)}
 \end{array}$$

OR

- $$\begin{array}{r}
 4781 \\
 \times \quad 23 \\
 \hline
 14343 \\
 \underline{95630} \text{ (error)} \\
 109973
 \end{array}$$

*Working must be carried through to reach a final answer for the award of **ONE** mark.*

Do not award any marks if the error is in the place value, e.g. the omission of the zero when multiplying by tens:

$$\begin{array}{r}
 4781 \\
 \times \quad 23 \\
 \hline
 14343 \\
 \underline{9562} \text{ (place value error)} \\
 23905
 \end{array}$$

Up to 2m

[2]

11

Award **TWO** marks for the correct answer of 465,518

If the answer is incorrect, award **ONE** mark for the formal method of long multiplication with no more than **ONE** arithmetic error, e.g.

•

$$\begin{array}{r}
 5413 \\
 \times \quad 86 \\
 \hline
 32478 \\
 433040 \\
 \hline
 465438 \text{ (error)}
 \end{array}$$

OR

•

$$\begin{array}{r}
 5413 \\
 \times \quad 86 \\
 \hline
 32478 \\
 423040 \text{ (error)} \\
 \hline
 455518
 \end{array}$$

*Working must be carried through to reach a final answer for the award of **ONE** mark.*

***Do not** award any marks if the error is in the place value, e.g. the omission of the zero when multiplying by tens:*

$$\begin{array}{r}
 5413 \\
 \times \quad 86 \\
 \hline
 32478 \\
 43304 \text{ (place value error)} \\
 \hline
 75782
 \end{array}$$

Up to 2m

[2]

12

Award **TWO** marks for the correct answer of 22,572

If the answer is incorrect, award **ONE** mark for a formal method of long multiplication with no more than **ONE** arithmetic error, e.g.

- $$\begin{array}{r} 836 \\ \times \quad 27 \\ \hline 5852 \\ 16720 \\ \hline 22602 \text{ (error)} \end{array}$$

OR

- $$\begin{array}{r} 836 \\ \times \quad 27 \\ \hline 5612 \text{ (error)} \\ 16720 \\ \hline 22332 \end{array}$$

*Working must be carried through to reach a final answer for the award of **ONE** mark.*

Do not award any marks if the error is in the place value, e.g. the omission of the zero when multiplying by tens:

$$\begin{array}{r} 836 \\ \times \quad 27 \\ \hline 5852 \\ 1672 \text{ (place value error)} \\ \hline 7524 \end{array}$$

Up to 2m

[2]

13

Award **TWO** marks for the correct answer of 18,055

If the answer is incorrect, award **ONE** mark for a formal method of long multiplication with no more than **ONE** arithmetic error, e.g.

•

$$\begin{array}{r}
 785 \\
 \times \quad 23 \\
 \hline
 2355 \\
 15700 \\
 \hline
 18155 \text{ (error)}
 \end{array}$$

OR

•

$$\begin{array}{r}
 785 \\
 \times \quad 23 \\
 \hline
 2345 \text{ (error)} \\
 15700 \\
 \hline
 18045
 \end{array}$$

*Working must be carried through to reach a final answer for the award of **ONE** mark.*

***Do not** award any marks if the error is in the place value, e.g. the omission of the zero when multiplying by tens:*

$$\begin{array}{r}
 785 \\
 \times \quad 23 \\
 \hline
 2355 \\
 1570 \text{ (place value error)} \\
 \hline
 3925
 \end{array}$$

Up to 2m

[2]

14

90

[1]