

Information:

These questions have been inspired by the KS2 Arithmetic test to help your children practise specific question types. Questions of this style also appear on the 2016 Sample Arithmetic Paper (questions 23 and 29), the 2016 Arithmetic Test (questions 23, 24 and 30) and the 2017 Arithmetic Test (questions 22 and 24).

National Curriculum Objectives:

Mathematics Year 5: (5C7a) [Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers](#)

Mathematics Year 6: (6C7a) [Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication](#)

Differentiation:

Beginner Multiplying 2-digit numbers by 2-digit numbers. Does not require exchanging during multiplication but does exchange during addition. Aimed at Year 5 Emerging.

Easy Multiplying 2-digit numbers by 2-digit numbers. Requires exchanging across one column during multiplication and requires exchanging during addition. Aimed at Year 5 Emerging.

Tricky Multiplying 2-digit numbers by 2-digit numbers. Requires exchanging during multiplication and addition. Aimed at Year 5 Developing/Year 6 Emerging.

Expert Multiplying 3-digit numbers by 2-digit numbers. Requires exchanging during multiplication and addition. Aimed at Year 5 Developing/Year 6 Emerging.

Brainbox Multiplying 4-digit numbers by 2-digit numbers. Requires exchanging during multiplication and addition. Aimed at Year 5 Expected/Year 6 Developing.

More [Arithmetic](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Arithmetic – Multiplying 2, 3 and 4-Digit Numbers by 2-Digit Numbers

1

$$\begin{array}{r} 23 \\ \times 32 \\ \hline \end{array}$$

2

$$\begin{array}{r} 42 \\ \times 12 \\ \hline \end{array}$$

3

$$\begin{array}{r} 57 \\ \times 11 \\ \hline \end{array}$$

Arithmetic – Multiplying 2, 3 and 4-Digit Numbers by 2-Digit Numbers

4

$$\begin{array}{r} 34 \\ x 22 \\ \hline \end{array}$$

5

$$\begin{array}{r} 13 \\ x 13 \\ \hline \end{array}$$

6

$$\begin{array}{r} 24 \\ x 21 \\ \hline \end{array}$$

Arithmetic – Multiplying 2, 3 and 4-Digit Numbers by 2-Digit Numbers

7

$$\begin{array}{r} 14 \\ \times 21 \\ \hline \end{array}$$

8

$$\begin{array}{r} 13 \\ \times 12 \\ \hline \end{array}$$

9

$$\begin{array}{r} 22 \\ \times 22 \\ \hline \end{array}$$

Arithmetic – Multiplying 2, 3 and 4-Digit Numbers by 2-Digit Numbers

10

$$\begin{array}{r} 33 \\ x 21 \\ \hline \end{array}$$

11

$$\begin{array}{r} 33 \\ x 23 \\ \hline \end{array}$$

12

$$\begin{array}{r} 51 \\ x 11 \\ \hline \end{array}$$

Arithmetic – Multiplying 2, 3 and 4-Digit Numbers by 2-Digit Numbers

1

$$\begin{array}{r} 43 \\ \times 27 \\ \hline \end{array}$$

2

$$\begin{array}{r} 35 \\ \times 12 \\ \hline \end{array}$$

3

$$\begin{array}{r} 52 \\ \times 46 \\ \hline \end{array}$$

Arithmetic – Multiplying 2, 3 and 4-Digit Numbers by 2-Digit Numbers

4

$$\begin{array}{r} 63 \\ \times 24 \\ \hline \end{array}$$

5

$$\begin{array}{r} 26 \\ \times 15 \\ \hline \end{array}$$

6

$$\begin{array}{r} 54 \\ \times 26 \\ \hline \end{array}$$

Arithmetic – Multiplying 2, 3 and 4-Digit Numbers by 2-Digit Numbers

7

$$\begin{array}{r} 34 \\ x 25 \\ \hline \end{array}$$

8

$$\begin{array}{r} 36 \\ x 17 \\ \hline \end{array}$$

9

$$\begin{array}{r} 53 \\ x 36 \\ \hline \end{array}$$

Arithmetic – Multiplying 2, 3 and 4-Digit Numbers by 2-Digit Numbers

10

$$\begin{array}{r} 64 \\ x 28 \\ \hline \end{array}$$

11

$$\begin{array}{r} 46 \\ x 18 \\ \hline \end{array}$$

12

$$\begin{array}{r} 23 \\ x 39 \\ \hline \end{array}$$

Arithmetic – Multiplying 2, 3 and 4-Digit Numbers by 2-Digit Numbers

1

$$\begin{array}{r} 92 \\ \times 45 \\ \hline \end{array}$$

2

$$\begin{array}{r} 36 \\ \times 54 \\ \hline \end{array}$$

3

$$\begin{array}{r} 73 \\ \times 45 \\ \hline \end{array}$$

Arithmetic – Multiplying 2, 3 and 4-Digit Numbers by 2-Digit Numbers

4

$$\begin{array}{r} 72 \\ \times 67 \\ \hline \end{array}$$

5

$$\begin{array}{r} 65 \\ \times 93 \\ \hline \end{array}$$

6

$$\begin{array}{r} 37 \\ \times 29 \\ \hline \end{array}$$

Arithmetic – Multiplying 2, 3 and 4-Digit Numbers by 2-Digit Numbers

7

$$\begin{array}{r} 43 \\ \times 48 \\ \hline \end{array}$$

8

$$\begin{array}{r} 28 \\ \times 54 \\ \hline \end{array}$$

9

$$\begin{array}{r} 36 \\ \times 77 \\ \hline \end{array}$$

Arithmetic – Multiplying 2, 3 and 4-Digit Numbers by 2-Digit Numbers

10

$$\begin{array}{r} 94 \\ \times 25 \\ \hline \end{array}$$

11

$$\begin{array}{r} 64 \\ \times 69 \\ \hline \end{array}$$

12

$$\begin{array}{r} 83 \\ \times 46 \\ \hline \end{array}$$

Arithmetic – Multiplying 2, 3 and 4-Digit Numbers by 2-Digit Numbers

1

$$\begin{array}{r} 345 \\ \times 72 \\ \hline \end{array}$$

2

$$\begin{array}{r} 276 \\ \times 38 \\ \hline \end{array}$$

3

$$\begin{array}{r} 383 \\ \times 96 \\ \hline \end{array}$$

Arithmetic – Multiplying 2, 3 and 4-Digit Numbers by 2-Digit Numbers

4

$$\begin{array}{r} 543 \\ \times 62 \\ \hline \end{array}$$

5

$$\begin{array}{r} 419 \\ \times 54 \\ \hline \end{array}$$

6

$$\begin{array}{r} 597 \\ \times 73 \\ \hline \end{array}$$

Arithmetic – Multiplying 2, 3 and 4-Digit Numbers by 2-Digit Numbers

7

$$\begin{array}{r} 718 \\ \times 33 \\ \hline \end{array}$$

8

$$\begin{array}{r} 294 \\ \times 86 \\ \hline \end{array}$$

9

$$\begin{array}{r} 835 \\ \times 68 \\ \hline \end{array}$$

Arithmetic – Multiplying 2, 3 and 4-Digit Numbers by 2-Digit Numbers

10

$$\begin{array}{r} 876 \\ \times 29 \\ \hline \end{array}$$

11

$$\begin{array}{r} 934 \\ \times 53 \\ \hline \end{array}$$

12

$$\begin{array}{r} 245 \\ \times 27 \\ \hline \end{array}$$

Arithmetic – Multiplying 2, 3 and 4-Digit Numbers by 2-Digit Numbers

1

$$\begin{array}{r} 2642 \\ \times \quad 23 \\ \hline \end{array}$$

2

$$\begin{array}{r} 3146 \\ \times \quad 25 \\ \hline \end{array}$$

3

$$\begin{array}{r} 4261 \\ \times \quad 32 \\ \hline \end{array}$$

Arithmetic – Multiplying 2, 3 and 4-Digit Numbers by 2-Digit Numbers

4

$$\begin{array}{r} 3528 \\ \times 42 \\ \hline \end{array}$$

5

$$\begin{array}{r} 4473 \\ \times 36 \\ \hline \end{array}$$

6

$$\begin{array}{r} 5152 \\ \times 27 \\ \hline \end{array}$$

Arithmetic – Multiplying 2, 3 and 4-Digit Numbers by 2-Digit Numbers

7

$$\begin{array}{r} 5746 \\ \times \quad 33 \\ \hline \end{array}$$

8

$$\begin{array}{r} 6425 \\ \times \quad 35 \\ \hline \end{array}$$

9

$$\begin{array}{r} 7183 \\ \times \quad 49 \\ \hline \end{array}$$

Arithmetic – Multiplying 2, 3 and 4-Digit Numbers by 2-Digit Numbers

10

$$\begin{array}{r} 7559 \\ \times \quad 45 \\ \hline \end{array}$$

11

$$\begin{array}{r} 8578 \\ \times \quad 52 \\ \hline \end{array}$$

12

$$\begin{array}{r} 9369 \\ \times \quad 74 \\ \hline \end{array}$$

Beginner

- | | | | |
|---------------|---------------|---------------|----------------|
| 1. 736 | 4. 748 | 7. 294 | 10. 693 |
| 2. 504 | 5. 169 | 8. 156 | 11. 759 |
| 3. 627 | 6. 504 | 9. 484 | 12. 561 |

Easy

- | | | | |
|-----------------|-----------------|-----------------|------------------|
| 1. 1,161 | 4. 1,512 | 7. 850 | 10. 1,792 |
| 2. 420 | 5. 390 | 8. 612 | 11. 828 |
| 3. 2,392 | 6. 1,404 | 9. 1,908 | 12. 897 |

Tricky

- | | | | |
|-----------------|-----------------|-----------------|------------------|
| 1. 4,140 | 4. 4,824 | 7. 2,064 | 10. 2,350 |
| 2. 1,944 | 5. 6,045 | 8. 1,512 | 11. 4,416 |
| 3. 3,285 | 6. 1,073 | 9. 2,772 | 12. 3,818 |

Expert

- | | | | |
|------------------|------------------|------------------|-------------------|
| 1. 24,840 | 4. 33,666 | 7. 23,694 | 10. 25,404 |
| 2. 10,488 | 5. 22,626 | 8. 25,284 | 11. 49,502 |
| 3. 36,768 | 6. 43,581 | 9. 56,780 | 12. 6,615 |

Brainbox

- | | | | |
|-------------------|-------------------|-------------------|--------------------|
| 1. 60,766 | 4. 148,176 | 7. 189,618 | 10. 340,155 |
| 2. 78,650 | 5. 161,028 | 8. 224,875 | 11. 446,056 |
| 3. 136,352 | 6. 139,104 | 9. 351,967 | 12. 693,306 |