

**TARGET** To practise short multiplication of whole numbers and decimals.

**Examples**

Work from the right and carry.

$$\begin{array}{r} 3975 \\ \times \quad 7 \\ \hline 27825 \\ \phantom{27}653 \end{array}$$

$$\begin{array}{r} 40.28 \\ \times \quad 6 \\ \hline 241.68 \\ \phantom{241}14 \end{array}$$

Align decimal points.

## A

Copy and complete.

- |              |                |
|--------------|----------------|
| 1 138<br>× 3 | 7 90.5<br>× 4  |
| 2 746<br>× 2 | 8 87.2<br>× 8  |
| 3 295<br>× 6 | 9 94.2<br>× 3  |
| 4 327<br>× 9 | 10 73.5<br>× 5 |
| 5 680<br>× 5 | 11 51.9<br>× 9 |
| 6 194<br>× 7 | 12 17.4<br>× 6 |

Work out

- |            |             |
|------------|-------------|
| 13 827 × 4 | 21 31.9 × 2 |
| 14 263 × 7 | 22 46.3 × 4 |
| 15 508 × 2 | 23 65.2 × 9 |
| 16 436 × 8 | 24 20.8 × 7 |
| 17 657 × 3 | 25 38.4 × 5 |
| 18 386 × 6 | 26 9.5 × 8  |
| 19 840 × 9 | 27 5.39 × 3 |
| 20 924 × 5 | 28 72.6 × 6 |

## B

Copy and complete.

- |                |                  |
|----------------|------------------|
| 1 2067<br>× 5  | 7 84.35<br>× 3   |
| 2 1859<br>× 4  | 8 376.2<br>× 9   |
| 3 4283<br>× 8  | 9 253.8<br>× 7   |
| 4 6174<br>× 7  | 10 39.26<br>× 4  |
| 5 7398<br>× 11 | 11 94.07<br>× 12 |
| 6 5916<br>× 6  | 12 617.5<br>× 8  |

Work out

- |              |               |
|--------------|---------------|
| 13 2348 × 6  | 21 46.52 × 11 |
| 14 7290 × 3  | 22 704.8 × 6  |
| 15 3582 × 5  | 23 65.37 × 4  |
| 16 1594 × 9  | 24 91.24 × 5  |
| 17 7408 × 4  | 25 428.6 × 7  |
| 18 6815 × 12 | 26 37.05 × 12 |
| 19 2936 × 8  | 27 285.7 × 9  |
| 20 5049 × 7  | 28 50.79 × 8  |

## C

Work out

- 1 13 269 × 6
- 2 54 706 × 3
- 3 29 548 × 12
- 4 161 437 × 5
- 5 47 095 × 8
- 6 135 176 × 7
- 7 269 840 × 9
- 8 183 501 × 11
- 9 392.19 × 4
- 10 73.867 × 2
- 11 9267.4 × 11
- 12 24.908 × 7
- 13 613.57 × 9
- 14 52.836 × 8
- 15 36.179 × 12
- 16 274.85 × 6
- 17 A delivery firm buys seven new vans, each costing £16 549. What is the total cost of the vans?
- 18 One box of tiles weighs 23.875 kg. What is the total weight of six boxes?

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*Examples*

Work from the right and carry.

$$\begin{array}{r} 5704 \\ \times \quad 8 \\ \hline 45632 \\ \underline{\phantom{0}5\phantom{0}3\phantom{0}} \\ \phantom{0}5\phantom{0}3\phantom{0} \end{array}$$

$$\begin{array}{r} 62.58 \\ \times \quad 9 \\ \hline 563.22 \\ \underline{\phantom{0}2\phantom{0}5\phantom{0}7\phantom{0}} \\ \phantom{0}2\phantom{0}5\phantom{0}7 \end{array}$$

Align decimal points.

## A

Copy and complete.

- |   |                  |   |                  |
|---|------------------|---|------------------|
| 1 | 364              | 5 | 9.7              |
|   | $\times \quad 2$ |   | $\times \quad 4$ |
|   |                  |   |                  |
| 2 | 173              | 6 | 5.8              |
|   | $\times \quad 8$ |   | $\times \quad 6$ |
|   |                  |   |                  |
| 3 | 429              | 7 | 6.4              |
|   | $\times \quad 5$ |   | $\times \quad 3$ |
|   |                  |   |                  |
| 4 | 246              | 8 | 2.6              |
|   | $\times \quad 7$ |   | $\times \quad 9$ |

Work out

- |    |   |    |                |
|----|---|----|----------------|
| 9  | $587 \times 2$  | 13 | $9.7 \times 3$ |
|    |   |    |                |
| 10 | $175 \times 9$  | 14 | $7.4 \times 6$ |
|    |   |    |                |
| 11 | $346 \times 5$  | 15 | $3.8 \times 4$ |
|    |   |    |                |
| 12 | $285 \times 8$  | 16 | $5.9 \times 7$ |
|    |   |    |                |
| 17 | One biscuit weighs 8.2 g. What do seven biscuits weigh?   |    |                |
|    |   |    |                |
| 18 | On one day 258 people visit a stately home. The entrance fee is £9. How much is taken in entrance fees? |    |                |

## B

Copy and complete.

- |   |                   |   |                   |
|---|-------------------|---|-------------------|
| 1 | 1564              | 5 | 195.3             |
|   | $\times \quad 5$  |   | $\times \quad 12$ |
|   |                   |   |                   |
| 2 | 3916              | 6 | 24.65             |
|   | $\times \quad 11$ |   | $\times \quad 6$  |
|   |                   |   |                   |
| 3 | 4638              | 7 | 63.28             |
|   | $\times \quad 8$  |   | $\times \quad 4$  |
|   |                   |   |                   |
| 4 | 3739              | 8 | 230.7             |
|   | $\times \quad 9$  |   | $\times \quad 7$  |

Work out

- |    |  |    |                   |
|----|--|----|-------------------|
| 9  | $4795 \times 3$  | 13 | $40.26 \times 7$  |
|    |  |    |                   |
| 10 | $1824 \times 9$  | 14 | $209.1 \times 8$  |
|    |  |    |                   |
| 11 | $5237 \times 11$   | 15 | $78.39 \times 6$  |
|    |  |    |                   |
| 12 | $8578 \times 4$  | 16 | $64.07 \times 12$ |
|    |  |    |                   |
| 17 | One side of a square picture frame is 37.25 cm. What is its perimeter? |    |                   |
|    |  |    |                   |
| 18 | Stacey earns £2947 each month. How much does she earn in six months?   |    |                   |

## C

Work out

- |    |   |
|----|---|
| 1  | $61\,527 \times 6$  |
|    |   |
| 2  | $14\,936 \times 7$  |
|    |   |
| 3  | $159\,318 \times 3$   |
|    |   |
| 4  | $237\,284 \times 11$  |
|    |   |
| 5  | $25\,179 \times 9$  |
|    |   |
| 6  | $490\,567 \times 2$   |
|    |   |
| 7  | $143\,658 \times 8$   |
|    |   |
| 8  | $26\,745 \times 12$   |
|    |   |
| 9  | $82.092 \times 4$   |
|    |   |
| 10 | $582.74 \times 7$   |
|    |   |
| 11 | $30.498 \times 6$   |
|    |   |
| 12 | $195.63 \times 11$  |
|    |   |
| 13 | $63.084 \times 9$   |
|    |   |
| 14 | $197.356 \times 5$  |
|    |   |
| 15 | $71.902 \times 8$   |
|    |   |
| 16 | $84.039 \times 12$  |
|    |   |
| 17 | There are eight stock cubes in each box. How many cubes are there in 176 245 boxes? |
|    |   |
| 18 | Basil earns £2719.50 per month. How much does he earn in 12 months?                 |