

# MULTIPLYING AND DIVIDING BY 10, 100, 1000

33

**TARGET** To multiply and divide whole numbers by 10, 100 and 1000.

Multiplying – digits move to the left

Dividing – digits move to the right

## Examples

$\times/\div$  by 10 – digits move 1 place

$\times/\div$  by 100 – digits move 2 places

$\times/\div$  by 1000 – digits move 3 places

$$756 \times 10 = 7560$$

$$819 \times 100 = 81\,900$$

$$43 \times 1000 = 43\,000$$

$$386\,100 \div 10 = 38\,610$$

$$9400 \div 100 = 94$$

$$152\,000 \div 1000 = 152$$

## A

Multiply by

10

1 58

2 631

3 720

4 896

5 47

6 145

100

7 70

8 3

9 26

10 48

11 93

12 100

Divide by

10

13 700

14 2950

15 4100

16 60

17 8000

18 6340

100

19 5100

20 2000

21 3700

22 800

23 10 000

24 4600

Copy and complete.

25  $\square \times 10 = 2560$

26  $\square \div 10 = 710$

27  $\square \times 100 = 3900$

28  $\square \div 100 = 40$

29  $\square \times 10 = 5700$

30  $\square \div 10 = 68$

31  $\square \times 100 = 1000$

32  $\square \div 100 = 25$

## B

Write the answers only.

1  $473 \times 10$

2  $5900 \div 10$

3  $160 \times 100$

4  $8200 \div 100$

5  $35 \times 1000$

6  $90\,000 \div 1000$

7  $64\,000 \times 10$

8  $27\,000 \div 10$

9  $1810 \times 100$

10  $43\,000 \div 100$

11  $718 \times 1000$

12  $520\,000 \div 1000$

Copy and complete.

13  $\square \times 10 = 89\,500$

14  $\square \div 10 = 4200$

15  $\square \times 100 = 73\,000$

16  $\square \div 100 = 150$

17  $\square \times 1000 = 900\,000$

18  $\square \div 1000 = .60$

19 How many £10 notes make one million pounds?

20 How many grams are there in 70 kilograms?

## C

Copy and complete.

1  $\square \times 10 = 500\,000$

2  $\square \div 10 = 21\,000$

3  $\square \times 100 = 3\,840\,000$

4  $\square \div 100 = 7600$

5  $\square \times 1000 = 290\,000$

6  $\square \div 1000 = 1483$

7  $17\,100 \times \square = 1\,710\,000$

8  $29\,000 \div \square = 2900$

9  $840 \times \square = 840\,000$

10  $1\,206\,000 \div \square = 12\,060$

11  $5\,130\,000 \div \square = 5130$

12  $15\,360 \times \square = 153\,600$

13 How many pounds is ten thousand pence?

14 What is 10 km in millimetres?

15 What is 25 kg in grams?

16 There are 50 pins in each packet. There are 40 packets in each box. How many pins are there in 2000 boxes?

17 How many pounds is four hundred 5p coins?