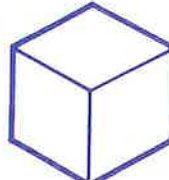# Section 2   Test 7
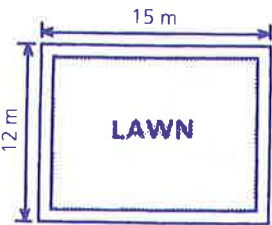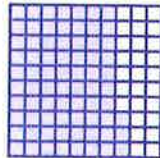
A | ANSWER

1 Write in figures the number forty thousand six hundred and five. → 40 605

2 $(55 - 8) - (7 \times 0)$ → 47

3 12 weeks = ☐ days → 84

4 $\frac{3}{10}$ of $1\frac{1}{2}$ litres = ☐ ml → 450 ml

5 Write as a decimal fraction (a) $\frac{59}{100}$ (b) $\frac{7}{100}$. → (a) 0.59 (b) 0.07

6 $10.2 - 3.07$ → 7.13

7 5.405 m = ☐ mm → 5405 mm

8 4 TWENTIES + 2 TENS + 9 TWOS = £ ☐ → £ 1·18

9 (a) $0.45 = \frac{☐}{100}$

(b) $0.08 = \frac{☐}{25}$ → (a) $\frac{45}{100}$ (b) $\frac{2}{25}$

10 208 g + 1.5 kg = ☐ kg → 1.708 kg

11 ☐ p × 6 = £4·56 → 76p

12 $\frac{755}{7}$ = ☐ rem. ☐ → 107 rem. 6

B | ANSWER

1

(a) What decimal fraction of the 100 small squares is shaded? → (a) 0.73

(b) Write this decimal fraction as a vulgar fraction. → (b) $\frac{73}{100}$

2 47 out of 100 = 47 per cent (%). Write as a % (a) 79 out of 100 → (a) 79%

(b) 4 out of 100. → (b) 4%

3 By how much is £15 more than 15 FIFTIES? → £ 7·50

4 Find in ml the value of the figures underlined. 8.305 litres → 305 ml

5 Express in km/h a speed of 90 km in 45 min. → 120 km/h

6 How many days are there between 28th November and 7th December? → 8

7 89% of a sum of money is spent. What percentage is left? → 11%

8 Find the cost of 600 g at £0·50 per $\frac{1}{2}$ kg. → 60p

9 Name the parallel sides in the parallelogram. → AB, CD   AD, BC

10 Approximate
(a) 10 046 to the nearest 100 → (a) 10 000
(b) 3 kg 370 g to the nearest 0.5 kg. → (b) 3.5 kg

11 Find the change from a £10 note after spending £7·62. → £ 2·38

12 The area of a rectangle is 47.5 cm². Its width is 5 cm. Find its length. → 9.5 cm

C | ANSWER

1 Write each of these fractions with a denominator of 100. (a) $\frac{3}{10}$ (b) $\frac{2}{5}$ (c) $\frac{1}{25}$ → (a) $\frac{30}{100}$ (b) $\frac{40}{100}$ (c) $\frac{4}{100}$

2 A school was built in 1902. For how many years will it have been in use by the year 2020. → 118

3 What decimal fraction is equal to (a) 57% → (a) 0.57

(b) 8% ? → (b) 0.08

4 How many packets each containing 365 g can be made from $36\frac{1}{2}$ kg? → 100

5 Write the next two decimal numbers in this series.
1.75, 2.0, 2.25, ☐ , ☐ → 2.5 , 2.75

6 Prices in a shop were increased by $\frac{1}{3}$. Find the new price of articles which cost (a) 48p → (a) 64p

(b) 84p. → (b) £ 1·12

7 From a can holding 10 litres of oil, 2.75 litres are drawn off. Find in litres and ml the quantity which remains. → 7ℓ 250 mℓ

8

The sides of the cube each measure 5 cm. Find the area of
(a) 1 face → (a) 25 cm²
(b) all the faces. → (b) 150 cm²

9 The average length of 3 pieces of wood is 13 cm. Two of the pieces measure 12 cm and 18 cm. What is the length of the third piece? → 9 cm

10 10 articles cost £8·40. Find the cost of 3 articles. → £ 2·52

11 Mortar is made by mixing 1 part cement with 4 parts sand. Find the mass of
(a) cement
(b) sand to make 30 kg of mortar. → (a) 6 kg (b) 24 kg

12

The path round the lawn is 1 m wide. Find the area of the lawn. → 130 m²

24