SECTION 2 | Test 1
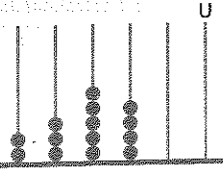
A | Answer

1. Write in words the number shown on the abacus. (U)
   two hundred and thirty-five thousand and four hundred
2. Add 1.0, 0.1 and 0.001. — 1.101
3. 3375mm = ___ m — 3.375m
4. ___ × 10 = 498700 — 49870
5. $\frac{1}{2} \times \frac{1}{2} =$ — $\frac{1}{4}$
6. 8kg – 6.075kg = ___ kg — 1.925kg
7. 6 × 5 × 9 = — 270
8. $2\frac{1}{4}$ min = ___ s — 135s
9. $\frac{3}{5}$ of £45 = £ — £27
10. $\frac{3}{12} + \frac{1}{6} =$ — $\frac{5}{12}$
11. $3^3 - 2^3 =$ — 19
12. Find 15% of £2.00. — 30p

B | Answer

1. 1m costs £1.50. Find the cost of 10cm. — 15p
2. Write $\frac{12}{16}$ in its simplest form. — $\frac{3}{4}$
3. To the difference between £5.00 and £2.55 add six 2ps. — £2.57
4. A square has a perimeter of 320mm. Find its area in cm². — 64cm²
5. How many times can 0.25 be taken from 1? — 4
6. 5 miles ≈ 8km. About how many kilometres is 45 miles? — 72km
7. When a watering can is $\frac{3}{4}$ full it holds 900ml. How much does it hold in litres when it is full? — 1.2l
8. What percentage of £6 is £1.50? — 25%
9. Find the volume in m³ of a room 5m long, 4m wide and 2.5m high. — 50m³
10. What fraction in its simplest form is equal to 12.5%? — $\frac{1}{8}$
11. How many times heavier is 7.5kg than 75g? — 100
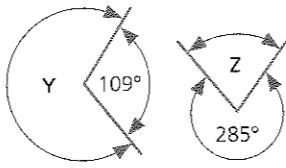12. Write these fractions in order of size, the largest first. $\frac{2}{3}$ $\frac{3}{4}$ $\frac{7}{12}$ $\frac{5}{6}$ — $\frac{5}{6}$ $\frac{3}{4}$ $\frac{2}{3}$ $\frac{7}{12}$

C | Answer

1. Six 30cm candles are placed end to end. How many millimetres short of 2m is their total length? — 200mm
2. In which century did each of these years fall? Write the answers in digits.
   a 1676 — a 17th
   b 1918 — b 20th
3. Find
   a the reflex angle Y — a 251°
   b the acute angle Z — b 75°
   (109°, 285°, Z)
4. 36758 Write this number and use a decimal point to make the value of the number
   a between 360 and 370 — a 367.58
   b between 30 and 40 — b 36.758
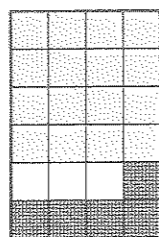5. Which number when divided by 6 has $\frac{1}{3}$ as the answer? — 2
6. Which of these numbers have 2, 3 and 4 as factors? 12 17 18 24 27 31 36 — 12, 24, 36
7. Harry walked at an average speed of 6km/h. How many hours will he take to walk 15km? — $2\frac{1}{2}$h
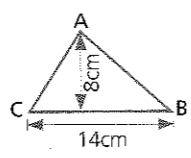8. A plan is drawn to a scale of 1mm to 10cm. Write the scale as a fraction. — $\frac{1}{100}$
9. There are 24 small squares in the diagram. Find as a fraction in its simplest form the part which is
   a shaded — a $\frac{2}{3}$
   b unshaded — b $\frac{1}{8}$
   c patterned — c $\frac{5}{24}$
10. Round each amount to the nearest £ and then find the approximate total. £5.75 £3.25 £2.99 — £12
11. Find the area of
    a the triangle ABC — a 56cm²
    b a triangle having the same base but half the height of ABC — b 28cm²
    (8cm, 14cm)
12. 346 × 18 = 6228 Find
    a 346 × 0.18 — a 62.28
    b 34.6 × 1.8 — b 62.28

SECTION 2 | Test 2

A | Answer

1. 4 × y = 96 Find the value of y. — 24
2. £3.78 + £2.55 = — £6.33
3. 35min × 5 = ___ h ___ min — 2h 55min
4. £ ___ + £2.37 = £6.00 — £3.63
5. 1 tonne (t) = 1000kg 3080kg = ___ t ___ kg — 3t 80kg
6. $2\frac{3}{8} - 1\frac{1}{4} =$ — $1\frac{1}{8}$
7. $4.804 = \frac{?}{1000}$ — $\frac{4804}{1000}$
8. a $\frac{1}{6}$ of 156 = — a 26
   b $\frac{1}{12}$ of 156 = — b 13
9. a 20p of £2.00 = ___% — a 10%
   b 20p of £4.00 = ___% — b 5%
10. $4^3 + 4^2 =$ — 80
11. 5057m + ___m = 5.750km — 693m
12. $\frac{£3.50}{10} \times 3 =$ — £1.05

B | Answer

1. Write in digits, seven hundred thousand seven hundred. — 700700
2. Increase the sum of 54p and 18p by £1.08. — £1.80
3. By how many millimetres is 2620mm less than 3m? — 380mm
4. One ruler cost 18p. Find the cost of
   a 10 — a £1.80
   b 30. — b £5.40
5. Write the next two numbers in this sequence. 50, 5, 0.5, ___, ___ — 0.05 0.005
6. How many times is 300g contained in 9kg? — 30
7. Write $\frac{3}{5}$ as a decimal fraction. — 0.6
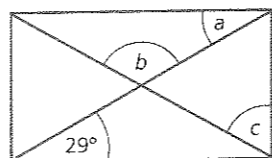8. Increase a £1.00 by 13% — a £1.13
   b £1.00 by 9%. — b £1.09
9. Find the mean of these numbers. 16 14 17 13 — 15
10. A rectangle is 4.5m long and 0.5m wide. Find
    a the perimeter — a 10m
    b the area. — b 2.25m²
    Write the unit of measurement in each case.
11. Find the difference between 2.75 million and 300000. — 2450000
12. For the rectangle, find ∠a — ∠a 29°
    ∠b — ∠b 122°
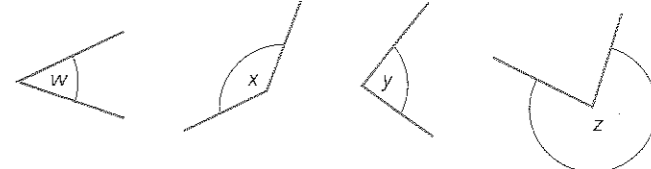   and ∠c. — ∠c 61°
    (29°)

C | Answer

1. Find the time taken in hours and minutes for a journey of 300km at an average speed of 40km/h. — 7h 30min
2. Mr Khan was given a 10% reduction on a car costing €3000. How much did he pay for the car? — €2700
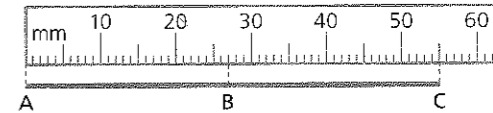3. Six jugs each holding 850ml were filled from a cask containing 10L. Write in litres the quantity remaining. — 4.9l
4. Estimate which of these angles is
   a 87° b 135°
   c 278° d 45°.
   — a y b x
   c z d w
   (w, x, y, z)
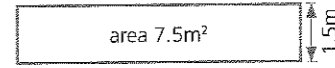5. In a group of 32 children, 24 could swim. What percentage of the children could not swim? — 25%
6. Find in millimetres
   a the total of the lengths AB and AC — a 82mm
   b the difference in length between AB and AC. — b 28mm
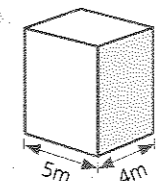   (mm 10 20 30 40 50 60; A B C)
7. 1 mile ≈ 1.6km. About how many kilometres is 20 miles? — 32km
8. On parents' evening, 4 out of every 5 parents who attended came by car. 100 parents attended.
   a How many came by car? — a 80
   b What fraction did not? — b $\frac{1}{5}$
9. Find the length of the rectangle in metres. area 7.5m² (1.5m) — 5m
10. Louise works from 6.45 a.m. to 10.15 a.m. and from 3.15 p.m. to 6.45 p.m. How many hours is that each day? — 7h
11. The volume of the cuboid is 150m³. Find its height in metres. (5m, 4m) — 7.5m
12. A car travelled 50106km in three years. Find to the nearest 1000km the mean distance travelled per year. — 17000km