Section 2 Test 7

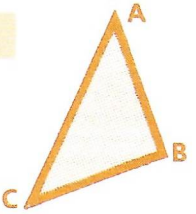
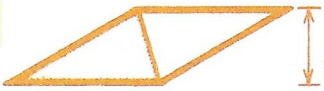
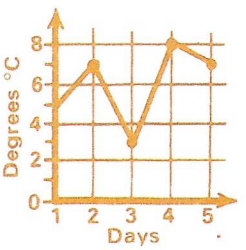
A

		ANSWER
1	5.384 + 4.16	
2	4 km − 272 m = km	km
3	£30 × 27	£
4	$\frac{£5{\cdot}18}{6}$ = p rem. p	p rem. p
5	1.5 million = thousands	thousands
6	$(6 \times 10^5) + (1 \times 10^4) + (7 \times 10^2) + (4 \times 1)$	
7	0.75 ℓ = cm³	cm³
8	1.200 kg ÷ y = 150 g Find the value of y.	
9	$\frac{y}{7} = 4.75$ Find the value of y.	
10	Find $\frac{3}{8}$ of £36.	£
11	$\frac{48 \text{ mm} + 72 \text{ mm}}{4}$ = cm	cm
12	(a) 25% of 1.280 ℓ = mℓ	(a) mℓ
	(b) 75% of 1.280 kg = g	(b) g

B

		ANSWER
1	Divide $7\frac{1}{2}$ kg in the ratio 7:8.	kg kg
2	Find the product of 10 and 0.002.	
3	One article costs 21p. Find the cost of (a) 10	(a) £
	(b) 50.	(b) £
4	1 hectare (ha) = 10 000 m² Find in ha the area of a field 100 m long and 200 m wide.	ha
5	(a) Increase £2·56 by 100%.	(a) £
	(b) Decrease £2·40 by 50%.	(b) £
6	By how many g is twice 2.175 kg less than 5 kg?	g
7	How many seconds in (a) 0.6 min	(a) s
	(b) 0.25 min?	(b) s
8	£5·60 is shared equally among 8 children. Find one share.	p
9	Change to percentages (a) 0.13	(a) %
	(b) 0.35.	(b) %
10	The area of a square card is 1 m². Find in cm the length of one side.	cm
11	0.75 of a quantity has a mass of 3.360 kg. Find the mass of 0.5 of the quantity.	kg
12	Find the sum of (4 × 2.54) and (2.54 × 6).	

C

		ANSWER
1	A book was purchased for £2·40 and sold at a profit of 25%. What was the selling price?	£
2	The total mass of the three parcels is 7 kg. Find in kg the mass of parcel C.	kg
3	Josh earns £5·50 per hour. What is his wage for a 30-hour week?	£
4	The scale reading shows the mass of 20 tomatoes. Find the average mass of one tomato.	g
5	Find the change from £10 after spending £3·60, £2·50 and 99p.	£
6	 The right-angled triangle is an isosceles triangle. Find in degrees (a) ∠ CAB	(a) °
	(b) ∠ BCA.	(b) °
7	A packet of peas has a mass of 375 g. Find in kg the mass of six packets.	kg
8	The bottom of a rectangular container is 20 cm long and 10 cm wide. Two litres of water are poured into the container. Find the depth of water in cm.	cm
9	 The perimeter of the rhombus is 80 mm. What is the area in mm² of the shaded triangle?	mm²
10	A measurement of 38 mm on a plan represents a distance of 38 m. Write the scale as a fraction in its lowest terms.	
11	 The graph shows the temperature for 5 days. Find the average daily temperature.	°C
12	$\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{5}$ $\frac{2}{3}$ $\frac{3}{10}$ $\frac{1}{12}$ Which two of these fractions together equal (a) $\frac{1}{2}$	(a)
	(b) $\frac{3}{4}$?	(b)