
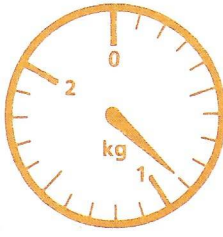



Section 2 Test 7

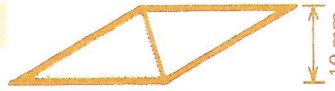
| A | ANSWER |
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| 1 | $5.384 + 4.16 = 9.544$ |
| 2 | $4 \text{ km} - 272 \text{ m} = 3.728 \text{ km}$ |
| 3 | $£30 \times 27 = £ 810$ |
| 4 | $\frac{£5.18}{6} = \text{p rem. } 2\text{p}$ |
| 5 | $1.5 \text{ million} = 1500 \text{ thousands}$ |
| 6 | $(6 \times 10^5) + (1 \times 10^4) + (7 \times 10^2) + (4 \times 1) = 610\,704$ |
| 7 | $0.75 \text{ l} = 750 \text{ cm}^3$ |
| 8 | $1.200 \text{ kg} \div y = 150 \text{ g}$ Find the value of y . 8 |
| 9 | $\frac{y}{7} = 4.75$ Find the value of y . 33.25 |
| 10 | Find $\frac{3}{8}$ of £36. $£ 13.50$ |
| 11 | $\frac{48 \text{ mm} + 72 \text{ mm}}{4} = 3 \text{ cm}$ |
| 12 | (a) 25% of $1.280 \text{ l} = 320 \text{ ml}$ (b) 75% of $1.280 \text{ g} = 960 \text{ g}$ |

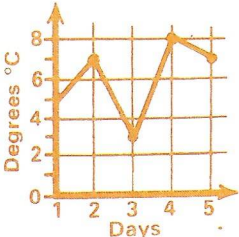
| B | ANSWER |
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| 1 | Divide $7\frac{1}{2} \text{ kg}$ in the ratio 7:8. $3\frac{1}{2} \text{ kg}$ 4 kg |
| 2 | Find the product of 10 and 0.002. 0.02 |
| 3 | One article costs 21p. Find the cost of (a) 10 $£ 2.10$ (b) 50. $£ 10.50$ |
| 4 | <div style="border: 1px solid black; padding: 2px; display: inline-block;">1 hectare (ha) = 10 000 m²</div> Find in ha the area of a field 100 m long and 200 m wide. 2 ha |
| 5 | (a) Increase $£2.56$ by 100%. $£ 5.12$ (b) Decrease $£2.40$ by 50%. $£ 1.20$ |
| 6 | By how many g is twice 2.175 kg less than 5 kg? 650 g |
| 7 | How many seconds in (a) 0.6 min 36 s (b) 0.25 min? 15 s |
| 8 | $£5.60$ is shared equally among 8 children. Find one share. 70p |
| 9 | Change to percentages (a) 0.13 13% (b) 0.35. 35% |
| 10 | The area of a square card is 1 m^2 . Find in cm the length of one side. 100 cm |
| 11 | 0.75 of a quantity has a mass of 3.360 kg. Find the mass of 0.5 of the quantity. 2.240 kg |
| 12 | Find the sum of (4×2.54) and (2.54×6) . 25.4 |

| C | ANSWER |
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| 1 | A book was purchased for $£2.40$ and sold at a profit of 25%. What was the selling price? $£ 3.00$ |
| 2 |  The total mass of the three parcels is 7 kg. Find in kg the mass of parcel C. 1.075 kg |
| 3 | Josh earns $£5.50$ per hour. What is his wage for a 30-hour week? $£ 165$ |
| 4 |  The scale reading shows the mass of 20 tomatoes. Find the average mass of one tomato. 45 g |
| 5 | Find the change from $£10$ after spending $£3.60$, $£2.50$ and 99p. $£ 2.91$ |

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| 6 |  The right-angled triangle is an isosceles triangle. Find in degrees (a) $\angle CAB$ $(a) 45^\circ$ (b) $\angle BCA$. $(b) 45^\circ$ |
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| 7 | A packet of peas has a mass of 375 g. Find in kg the mass of six packets. 2.250 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. 10 cm |

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| 9 |  The perimeter of the rhombus is 80 mm. What is the area in mm ² of the shaded triangle? 100 mm^2 |
| 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. $\frac{1}{1000}$ |

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| 11 |  The graph shows the temperature for 5 days. Find the average daily temperature. 6°C |
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| 12 | <div style="border: 1px solid black; padding: 2px; display: inline-block;">$\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{5}$ $\frac{2}{3}$ $\frac{3}{10}$ $\frac{1}{12}$</div> Which two of these fractions together equal (a) $\frac{1}{2}$ $(a) \frac{1}{5}$ and $\frac{3}{10}$ (b) $\frac{3}{4}$? $(b) \frac{2}{3}$ and $\frac{1}{12}$ |
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