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| <b>a</b> Find the speed when 120 km is travelled in 2 hours<br><br><u>60 km/h</u><br>speed from distance and time                                  | <b>b</b> Find the distance travelled in 3 hours at 45 km/h<br><br><u>135 km</u><br>distance from speed and time                                     | <b>c</b> Find the time to travel 150 km at 50 km/h<br><br><u>3 hours</u><br>time from distance and speed                                          | <b>d</b> Find the speed in km/h when 30 km is travelled in 20 minutes<br><br><u>90 km/h</u><br>speed with the time in minutes                       |
| <b>e</b> Find the time to travel 70 km at 40 km/h, in hours and minutes<br><br><u>1 h 45 min</u><br>time in hours and minutes                      | <b>f</b> 90 km takes 2 hours, then 30 km takes 1 hour. Find the average speed<br><br><u>40 km/h</u><br>average speed over two parts                 | <b>g</b> A mass of 400 g has a volume of 50 cm <sup>3</sup> . Find the density<br><br><u>8 g/cm<sup>3</sup></u><br>density from mass and volume   | <b>h</b> The density is 3 g/cm <sup>3</sup> and the volume is 20 cm <sup>3</sup> . Find the mass<br><br><u>60 g</u><br>mass from density and volume |
| <b>i</b> The density is 4 g/cm <sup>3</sup> and the mass is 200 g. Find the volume<br><br><u>50 cm<sup>3</sup></u><br>volume from density and mass | <b>j</b> A force of 600 N acts on an area of 3 m <sup>2</sup> . Find the pressure<br><br><u>200 N/m<sup>2</sup></u><br>pressure from force and area | <b>k</b> A force of 1200 N gives a pressure of 300 N/m <sup>2</sup> . Find the area<br><br><u>4 m<sup>2</sup></u><br>area from force and pressure | <b>l</b> Which is better value, 3 for £1.20 or 5 for £1.80?<br><br><u>5 for £1.80</u><br>best buy by the unit price                                 |

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