

1 Time intervals

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- a) A flight leaves at 22:40 and takes 7 hours 55 minutes. What time does it land?
- b) A bus leaves every 18 minutes from 06:50. Is there a bus at 09:00? If not, when is the next one?

2 Converting metric units

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- a) Write in order, smallest first: 0.6 kg, 580 g, 61 000 mg.
- b) A recipe uses 175 ml of milk for each batch. How many batches can be made from a 2 litre carton, and how much milk is left?

3 Converting units of area and volume

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- a) A tank holds 0.8 m^3 of water. How many litres is that?
- b) A floor 4.8 m by 3.6 m is covered with square tiles of side 40 cm. How many tiles are needed?

4 Speed, distance and time

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- a) A train travels at 135 km/h for 2 hours 40 minutes. How far does it go?
- b) A cheetah runs 100 m in 3.5 seconds. A car drives at 100 km/h. Which is faster? Show how you decide.

5 Speed, distance and time

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- Mo drives 150 km at an average speed of 60 km/h. The first 90 km take 1 hour 15 minutes.
- a) How long does the whole drive take?
- b) Work out his average speed for the last 60 km.

Measure

revision mat



6 Density

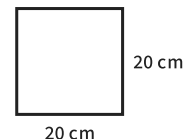
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- a) Gold has a density of 19.3 g/cm^3 . Work out the volume of a 12.5 kg gold bar, to 1 decimal place.
- b) A cube of side 4 cm has a mass of 172.8 g. Work out its density.

7 Pressure

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- a) A force of 450 N acts on an area of 0.03 m^2 . Work out the pressure.
- b) A box with this square base puts a pressure of 2500 N/m^2 on the floor. Work out its weight in newtons.



8 Calculator answers: money and time

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- a) Write 4 hours 48 minutes in hours, as a decimal.
- b) A 2.5 kW heater is on for 3 hours 45 minutes. Electricity costs 28.4p per kWh. Work out the cost to the nearest penny.