

Compound Measures Revision

(a)	(b)	(c)	(d)
Convert 725 <i>cm</i> into metres. <i>7.25 m</i>	Convert 1.3 <i>litres</i> into <i>ml</i> . <i>1300 ml</i>	Change 13 m^2 into cm^2 . <i>130000 cm^2</i>	Change 540 000 cm^3 into m^3 . <i>0.54 m^3</i>
(e)	(f)	(g)	(h)
A pressure of 60 N/m^2 is exerted on a surface of area 1.5 m^2 . Calculate the force on the surface. <i>90 N</i>	The density of a metal with a mass of 56.84 <i>g</i> is 2.8 g/cm^3 . Find the volume of the metal. <i>20.3 cm^3</i>	Tia sets off on a drive at 9.30am. She drives for 114 km and arrives at her destination at 11am. Find her average speed. <i>76 km/h</i>	A plane travels for 5 hours 45 minutes at an average speed of 625 km/h . Find the distance travelled to the nearest km. <i>3594 km</i>
(i)		(j)	(k)
The Eurostar train travels 492 <i>km</i> from London to Paris at a speed of 220 km/h . Find the time taken for the journey, in hours and minutes, to the nearest minute. <i>2 hours 14 minutes</i>		Convert 18 m/s to a speed in km/h . <i>64.8 km/h</i>	Convert 540 km/h to a speed in m/s . <i>150 m/s</i>
(l)		(m)	
Zeeshan sets off at 10.30am and drives from A to B at a speed of 57 km/h . The distance from A to B is 38 <i>km</i> . He then travels from B to C, a distance of 108 <i>km</i> . At what speed must Zeeshan travel from B to C in order to reach C at 12.30pm? <i>81 km/h</i>		A metal cylinder has a height of 15 <i>cm</i> and a mass of 768 <i>g</i> . The density of the cylinder is 3.2 g/cm^3 . Find the radius of the cylinder, to 3 significant figures. <i>2.26 cm</i>	