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| **Compound Measures Revision** |
| **(a)** | **(b)** | **(c)** | **(d)** |
| Convert $725 cm$ into metres. | Convert $1.3 litres$ into $ml$. | Change $13 m^{2}$ into $cm^{2}$. | Change $540 000 cm^{3}$ into $m^{3}$. |
| **(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. | The density of a metal with a mass of $56.84 g$ is $2.8 g/cm^{3}$. Find the volume of the metal.  | 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. | 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)** | **(j)** | **(k)** |
| The Eurostar train travels $492 km$ 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. | Convert $18 m/s$ to a speed in $km/h$. | Convert $660 km/h$ to a speed in $m/s$. |
| **(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 $38 km$. He then travels from B to C, a distance of $108 km$. At what speed must Zeeshan travel from B to C in order to reach C at 12.30pm? | A metal cylinder has a height of $15 cm$ and a mass of $768 g$. The density of the cylinder is $3.2 g/cm^{3}$. Find the radius of the cylinder, to 3 significant figures. |