

ASSIGNMENT week 15

A plane travels at an average speed of 550km/h.

The plane travels 4400 kilometres.

Calculate how long the plane journey took.



Shown below is a conversion to change between kilograms and pounds.



Using the graph, convert 5 kilograms to pounds.



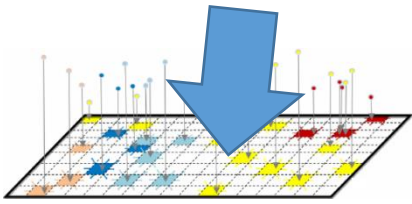
Using the graph, convert 8 pounds to kilograms.

The mass of 5 m^3 of copper is 44 800 kg.

Work out the density of copper.



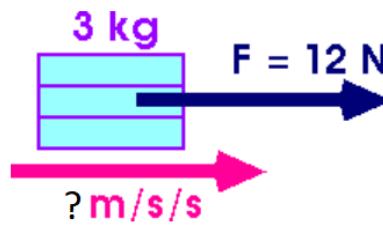
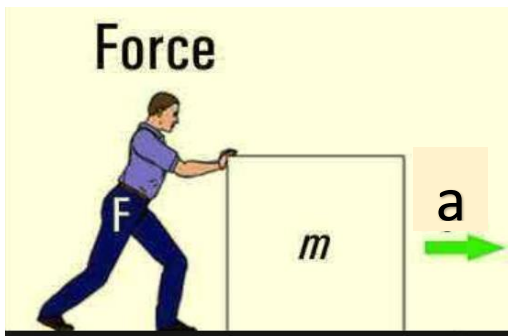
Find the pressure exerted by a force of 8000 newtons on an area of 25m².



Give your answer in newtons/m²

6.3 cm = _____ mm

120 mg = _____ g



Find the missing speed when $F=ma$

A car travels at 25m/s for 3 minutes. How far does it travel?

$speed = \frac{distance}{time}$



Metric and Imperial Measures and Compound Measure

Aims of this session: Review your abilities in each of these areas, Green (feel confident...G), Amber (need to work more on...A), Red (Feel weaker at this...R)

1. Measure items using the Metric Measurement System
2. Measure items using the Imperial Measurement System
3. Convert Metric units within the Metric System
4. Convert Imperial units (to metric or imperial) using a ratio
5. Use a 'Compound Measure Conversion Triangle' for SPEED/DENSITY/FORCE

G	A	R
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MOSTLY GREEN

MOSTLY ORANGE

MOSTLY RED