



Simplify

$$\left(\frac{2x}{3}\right)^{-2} \div \frac{5}{x}$$

A microwave is placed on a worktop.
The area of the microwave in contact with the table is 600cm^2 to the nearest 5cm^2

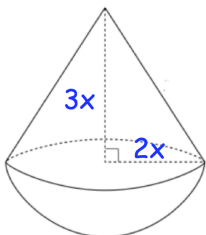
The pressure on the worktop is 2450 Newtons/ m^2 to 3 significant figures

Work out the upper bound of the force exerted by the microwave on the worktop.

Write $0.0\dot{8}\dot{2}$ as a fraction in its simplest form.

One solution of the equation $\sin x = 0.72$ is $x = 46^\circ$

Find another solution of this equation for values of x between 0° and 360°



The diagram shows a solid made up of a cone and a hemisphere.

Show the volume of the solid is $\frac{28}{3}\pi x^3$