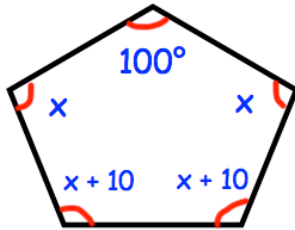




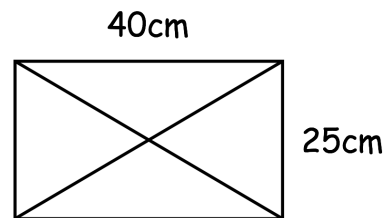
$$\frac{8}{101}, \frac{9}{91}, \frac{10}{81}, \frac{11}{71}, \dots$$

Find the nth term



Find x

Shown is a rectangular metal frame with two diagonal supports.
What length of metal is used?



The mass of Earth is 5.97×10^{24} kg
The mass of Jupiter is 1.898×10^{27} kg

Work out how many times heavier Jupiter is than Earth.
Give your answer to one decimal place.

A line has equation $y = -4x$
Write down the gradient of the line

Write down the coordinates of the y-intercept of the line