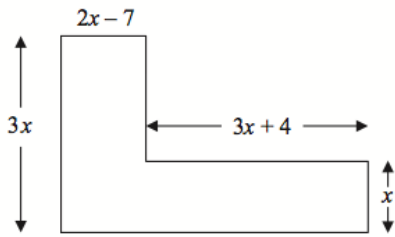


15th February

Corbettmaths



Find an expression for the area.

Solve

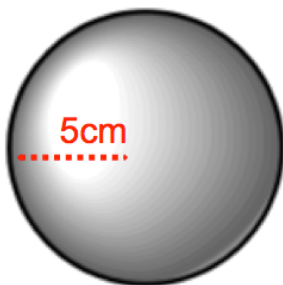
$$5(x - 1) = 4(x + 2) + 2(x - 7)$$

Calculate an estimate of the mean.

Time (t minutes)	Frequency
$0 < t \leq 10$	20
$10 < t \leq 20$	17
$20 < t \leq 30$	12

Simplify

$$\frac{s^3 \times s^4}{s^2}$$

Calculate the volume of the sphere.
Give your answer to 1 decimal place.