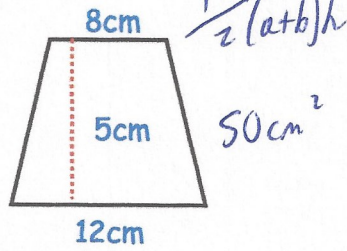
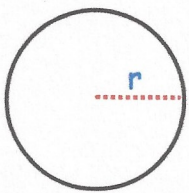


19th September



Corbettmaths

The trapezium and circle have the same area. Find r.



$$\frac{1}{2}(8+12) \times 5 = 50 \text{ cm}^2$$

$$\pi r^2 = 50$$

$$r^2 = 15.915 \dots$$

$$r = 3.989 \text{ cm}$$

Simplify $\sqrt{1000}$

$$10\sqrt{10}$$

Simplify

$$3\sqrt{2} \times 3\sqrt{14}$$

$$9\sqrt{28}$$

$$18\sqrt{7}$$

An average clementine weighs 74g to the nearest gram. UB: 74.5g
 A net contains 12 clementines.
 The net weighs 20g to the nearest gram. UB: 20.5g
 What is the maximum possible weight of the net of clementines.

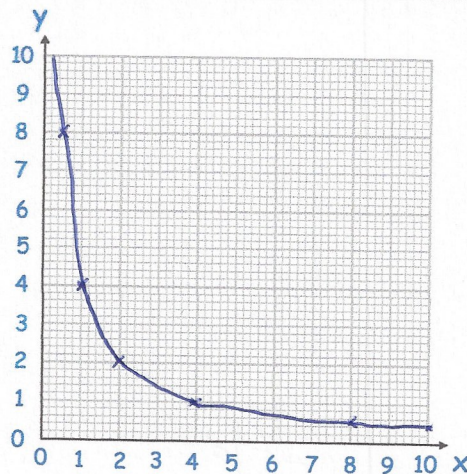
$$12 \times 74.5 + 20.5$$

$$914.5 \text{ g}$$

Complete the table of value for

$$y = \frac{4}{x}$$

x	0.5	1	2	4	8	10
y	8	4	2	1	0.5	0.4



On the grid, draw the graph of

$$y = \frac{4}{x}$$

for $0.25 \leq x \leq 10$