

19th September



Corbettmaths

Number of cats	Number of children
0	6
1	13
2	7
3	3
4	1

f x
 0
 13
 14
 9
 4
 ———
 40

30

Thirty students were asked how many cats they owned. The results are shown in the table. Calculate the mean number of cats owned per child.

$40 \div 30 = 1.333\dots$



215g
40p

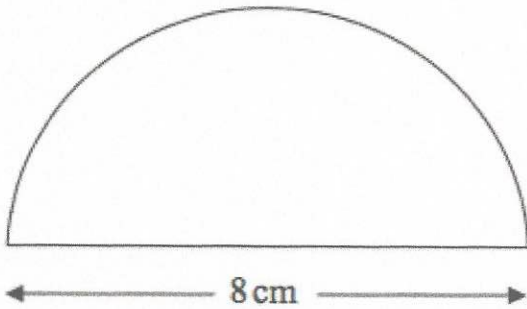


395g
74p

Which size can is the best value for money?

$40p \div 215g = 0.18604p \text{ per gram}$
 $74 \div 395 = 0.18734p \text{ per gram}$

215g is better value.



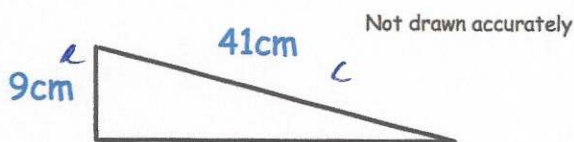
Calculate the area
Give your answer in terms of π

$\frac{1}{2}(\pi r^2)$
 $\frac{1}{2}(\pi \times 4^2)$
 $\frac{1}{2}(\pi \times 16) = 8\pi \text{ cm}^2$

Write down the reciprocal of 3.055

$3.055 = \frac{3055}{1000}$
 reciprocal is $\frac{1000}{3055}$

$\frac{200}{611}$



Not drawn accurately

$a^2 + b^2 = c^2$
 $9^2 + 40^2 = 1681$
 $41^2 = 1681$ ✓

Shown is a triangle with sides of length 9cm, 40cm and 41cm

Is the triangle right-angled?

Explain your answer.

If right-angled, Pythagoras works since it does, the triangle is right angled.