

Estimating Questions

Q1.

Work out an estimate for $\frac{31 \times 9.87}{0.509}$

.....
(Total for Question is 3 marks)

Q2.

There are 892 litres of oil in Mr Aston's oil tank.
He uses 18.7 litres of oil each day.

Estimate the number of days it will take him to use all the oil in the tank.

.....
(Total for question = 2 marks)

Q3.

Work out an estimate for the value of $\frac{89.3 \times 0.51}{4.8}$

.....

(Total for Question is 2 marks)

Q4.

Sanders has a water tank for storing rainwater.

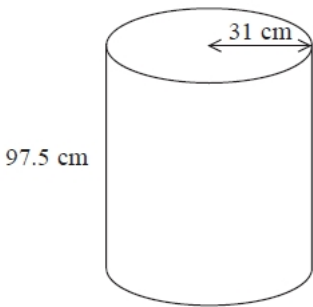


Diagram **NOT**
accurately drawn

The tank is in the shape of a cylinder.
The radius of the cylinder is 31 cm.
The height of the cylinder is 97.5 cm.

The tank is full of water.

Work out an estimate for the volume of water in the tank.
Give your answer in litres.
You must show your working.

Use $1000 \text{ cm}^3 = 1 \text{ litre}$.

..... litres

(Total for question = 3 marks)

Q5.

Margaret has some goats.

The goats produce an average total of 21.7 litres of milk per day for 280 days.

Margaret sells the milk in $\frac{1}{2}$ litre bottles.

Work out an estimate for the total number of bottles that Margaret will be able to fill with the milk.

You must show clearly how you got your estimate.

.....
(Total for Question is 3 marks)

Q6.

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<p>Competition a prize every 2014 seconds</p>
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In a competition, a prize is won every 2014 seconds.

Work out an estimate for the number of prizes won in 24 hours.

You must show your working.

(Total for Question is 4 marks)