

20th April

Foundation Plus 5-a-day



Corbettmaths

Nasreen, Beth and Carly go shopping.
Nasreen spend m pounds.
Beth spend twice as much as Nasreen.
Carly spend 5 pounds more than Nasreen.

2m

The total amount of money spent, in pounds, is more than £60.

Write down, in terms of m , an inequality to show this information.

$$4m + 5 > 60$$

Work out $(4.5 \times 10^7) \div (5 \times 10^{-2})$

Give your answer in standard form.

$$0.9 \times 10^9$$
$$9 \times 10^8$$

The distance from Junction 19 to Junction 20 on a motorway is 14 miles.
Bethany drove the distance in 15 minutes.
Max drove the distance at a speed of 52mph.

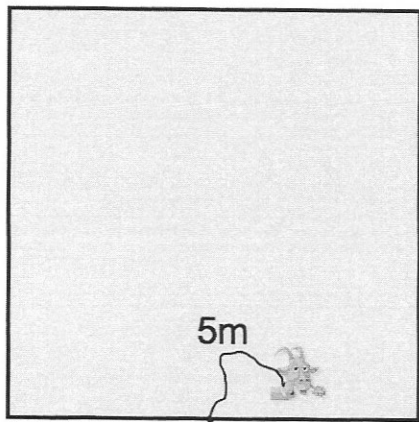
Who was faster?

Bethany



Bethany

14 miles in 15 mins
28 miles in 30 mins
56 miles in 1 hour
56 mph



12m

A goat is in a square field which has length 12m.

The goat is tied to the middle of a 12m fence on one side with a 5m rope.

Solve $\frac{8x - 1}{2} = 3x + 11$

$$8x - 1 = 6x + 22$$

$$2x = 23$$

$$x = 11.5$$

Work out the percentage of the field the goat can reach.

$$12 \times 12 = 144 \text{ m}^2$$

$$\frac{1}{2} \times \pi \times 5^2 = 39.27 \text{ m}^2 \text{ (to 2dp)}$$

$$\frac{39.27}{144} \times 100 = 27.27\%$$