



How much is the bus from Maltby to Whiston?

96p

Two people get the bus from the Hospital to Bramley.

How much change will they get from £5?

£2.16

£5.00 - £2.16 = £2.84

2 3 2 1 3 4 5 2 3 3

Calculate the mean

$28 \div 10 = 2.8$

Calculate the range

$5 - 1 = 4$

Don't you agree that burning fossil fuels is bad for the environment?

Give a criticism of this question.

Leading question



Label the probability scale to show:

a) The probability of rolling an even number on a dice. Label it with an A

b) The probability of rolling a number below 3. Label it with a B

2, 4, 6  $\frac{3}{6}$

1, 2  $\frac{2}{6}$

Expand

$$y(y - 2)$$

$$y^2 - 2y$$

Find the nth term for:

9 19 29 39 ... ..

10, 10 20 30 40

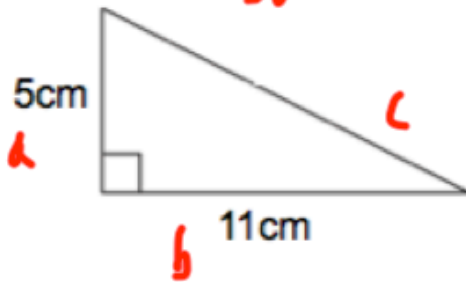
$$10n - 1$$

Place Frequency

France	12	$\times 10$	120
Spain	11	$\times 10$	110
Italy	10	$\times 10$	100
Germany	3	$\times 10$	30
		<u>36</u>	

Norman wants to draw a pie chart.  
Calculate the size of each angle

$$360 \div 36 = 10$$



Calculate the area of the triangle

$$\frac{1}{2}bh$$

$$\frac{1}{2}(11 \times 5) = \frac{1}{2}(55)$$

$$= 27.5 \text{ cm}^2$$

$$a^2 + b^2 = c^2$$

$$5^2 + 11^2 = c^2$$

$$25 + 121 = c^2$$

Find the length of the missing side

$$146 = c^2$$

$$c = \sqrt{146}$$

$$= 12.08 \text{ cm}$$

May 10

5-a-day

Higher

Monday: 3 cakes and 5 teas cost £8.10

Thursday: 3 cakes and 3 teas cost £6.30

Work out the cost of each.

$$3c + 5t = 810$$

$$3c + 3t = 630$$

$$2t = 180$$

$$t = 90p$$

$$3c + 270 = 630$$

$$3c = 360$$

$$c = 120p$$

Calculate the area of a circle with radius 5cm, in terms of pi.

$$\pi \times 5^2$$

$$25\pi \text{ cm}^2$$



$$8 \times \cos 70 = 2.736$$

Calculate y

$$2 \times 2.736 \dots$$

$$y = 5.472 \text{ cm}$$

The probability of winning a game is 0.7.

The game is played 3 times.

What is the probability of exactly 2 wins.

$$WNL \quad 0.7 \times 0.7 \times 0.3$$

$$NLW \quad 0.7 \times 0.3 \times 0.7$$

$$LWN \quad 0.3 \times 0.7 \times 0.7$$

$$0.441$$



$$\frac{1}{6} \times \pi \times 12^2$$

$$\frac{1}{6} \times \pi \times 144$$

Calculate the area of the sector. Leave your answer in terms of pi.

$$24\pi \text{ cm}^2$$