

14th December

Foundation 5-a-day



Corbettm@ths

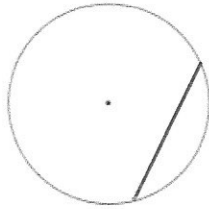
There are 8 green pens, 3 red pens and 5 black pens in a pot.

$$8 + 3 + 5 = 16$$

One pen is picked at random.

Write down the probability that the pen is black.

$$\frac{5}{16}$$



Draw a chord

Harry normally works 30 hours per week.  
His normal rate of pay is £9 per hour.

30 hours at normal pay  
5 hours overtime.

When Harry works more than 30 hours per week, he is paid overtime for each extra hour.

$$30 \times 9 = \text{£}270$$

His overtime pay is 20% more than his normal pay.

£9 - normal pay

$$10\% = 90p$$

$$20\% = \text{£}1.80$$

$$\text{£}9 + \text{£}1.80 = \text{£}10.80$$

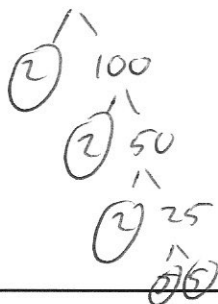
Last week Harry worked 35 hours.

$$5 \times 10.8 = \text{£}54$$

Work out his total pay.

$$270 + 54 = \text{£}324$$

Write 200 as a product of primes.



$$2 \times 2 \times 2 \times 5 \times 5$$

$$2^3 \times 5^2$$