

26th May



Corbettmaths

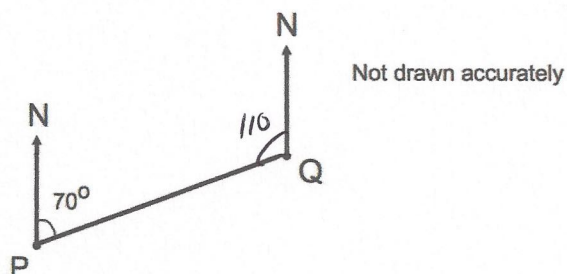
The table shows the probabilities that a sweet taken from a jar will be red, pink or purple.

| | | | |
|-------------|-----|------|--------|
| Colour | Red | Pink | Purple |
| Probability | 0.4 | 0.25 | 0.35 |

There are 1200 sweets
How many are purple?

$$0.35 \times 1200$$

$$420$$



The bearing of Q from P is 070° .
Calculate the bearing of P from Q.

$$360 - 110 = 250^\circ$$

Fifteens
Serves 8

- 300g digestive biscuits
- 250g marshmallows
- 200g glacier cherries
- 60g coconut flakes
- 180ml condensed milk

1kg
750
520
150
600

David has 1kg digestive biscuits, 750g marshmallows, 520g glacier cherries, 150g coconut flakes and 600ml condensed milk.

How many fifteens can David make?

$$8 \times 2.5 = 20$$

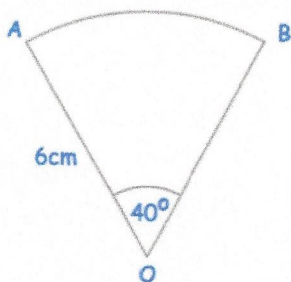
A dog runs 100 metres in 4.98 seconds.
Estimate his average speed in kilometres per hour.

$$\approx 100 \div 5 = 20 \text{ m/s}$$

$$1200 \text{ m/min}$$

$$72000 \text{ m/hr}$$

$$72 \text{ km/h}$$



$$\frac{40}{360} = \frac{1}{9}$$

Calculate the area of sector OAB.

$$\frac{(\pi \times 6^2)}{9} = 4\pi$$

$$12.566 \text{ cm}^2$$