

m2 = 4 days to go!

- 7 Ella recorded how many of each flavour of ice-cream were sold in her shop one day.

Ice-cream Flavour	Number	Angle
Strawberry	48	$48 \times 3 = 144^\circ$
Vanilla	31	$31 \times 3 = 93^\circ$
Chocolate	29	$29 \times 3 = 87^\circ$
Mint	12	$12 \times 3 = 36^\circ$

120°

360°

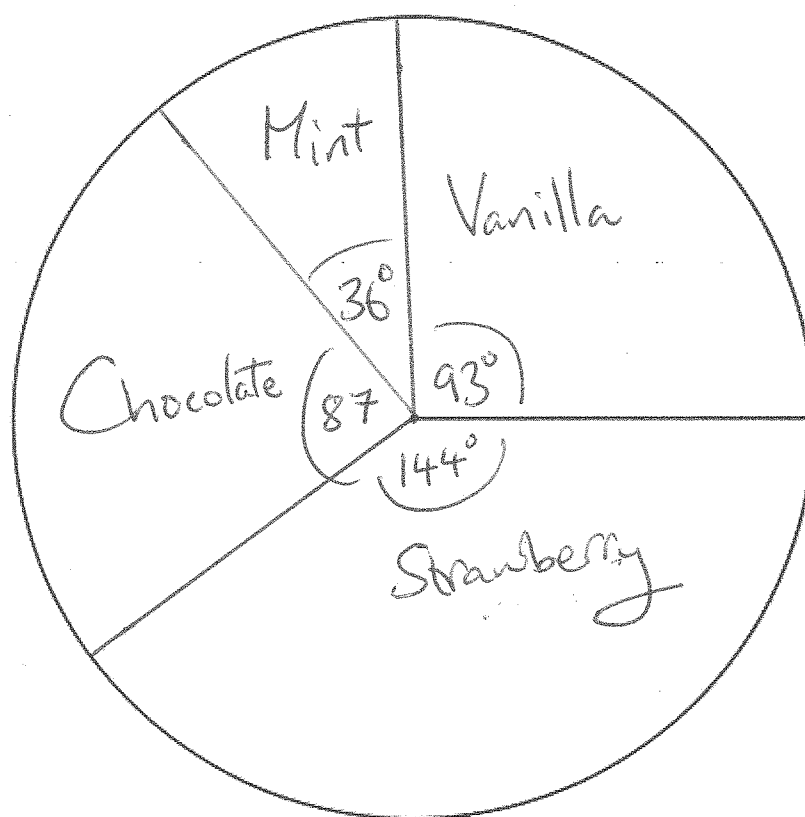
Draw a clearly labelled pie chart to show this information.

120 people

360°

1 person = 3°

$360 \div 120$



Need labels

23 A coat is priced £150

With 12% discount in a sale a profit of £7 is made.

What would the percentage profit be if the coat was sold at the full marked price?

Show all your working clearly.

$$12\% \text{ of } 150 = 18$$

Sale price £132 gives profit of £7

So cost price is £125

If sold at £150 the profit is £25

$$\% \text{ profit} = \frac{25}{125} \times 100$$

Answer 20 % [5]

2 Sean earns £8 per hour for eight hours work during the week and double time for four hours work at the weekend.

Jane earns £9 per hour for six hours work during the week and time and a half for six hours work at the weekend.

Who earns more and how much more?

Sean

$$8 \times 8$$

£64 during week

$$8 \times 2 = £16 \text{ per hour}$$

$$16 \times 4 = £64$$

$$\text{Total } £128$$

Jane

$$9 \times 6 = 54$$

during week

Time and a half

$$9 + 4.50 = 13.50$$

$$13.50 \times 6 = 81$$

$$\text{Total } £135$$

Answer Jane earns £ 7 more [5]