

Constructing Pie Charts

In the car park there is 1 silver car, 3 red cars and 6 black cars

There are ___ cars in total.

So we want to divide the pie chart into ___ parts

There are _____ degrees in a circle

$$360^\circ \div 10 = \underline{\quad}^\circ$$

So each car is worth _____ $^\circ$ on our pie chart!

There is 1 silver car, so the silver slice of pie is _____ $^\circ$.

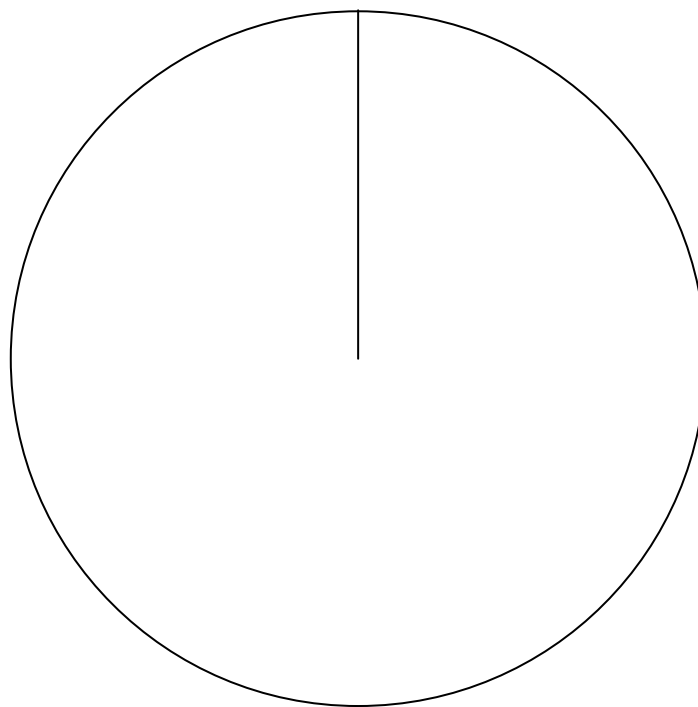
Starting from the vertical line and going clockwise, draw this angle using a protractor.

There are 3 red cars, so the red slice of pie is $3 \times \underline{\quad}^\circ = \underline{\quad}^\circ$.

Measure this angle clockwise from the last line you drew.

There are 6 black cars, so the black slice is $6 \times \underline{\quad}^\circ = \underline{\quad}^\circ$.

Measure this angle clockwise from the last line you drew.



You should now have three slices of pie.

Check that they connect together without leaving any gaps.

12 people are asked for their favourite crisp flavour. The results are:

5 ready salted

1 prawn cocktail

4 salt & vinegar

2 cheese & onion.

There are ___ people in total.

So we want to divide the pie chart into ___ parts.

There are ___ degrees in a circle.

$$360^\circ \div 12 = \underline{\quad}^\circ$$

So each person is worth ___° on our pie chart!

There are five people who said ready salted, so the ready salted slice of pie is $5 \times \underline{\quad}^\circ = \underline{\quad}^\circ$.

Starting from the vertical line and going clockwise, draw this angle using a protractor.

There is one person who said prawn cocktail, so this slice of pie is ___°.

Measure this angle clockwise from the last line you drew.

$$\text{Salt \& vinegar} = 4 \times \underline{\quad}^\circ = \underline{\quad}^\circ$$

$$\text{Cheese \& onion} = 2 \times \underline{\quad}^\circ = \underline{\quad}^\circ$$

Add these two slices to your pie chart as well.

