

# Robot Maths - Displaying data (pie charts)



**Example:** Draw a pie chart for the following data

Result	Frequency
Win	20
Draw	10
Lose	30



1) Add a 'total' row and an 'angle' column to the table

2) Fill in the total of the frequencies

3) Fill in the angle boxes by doing:

*'frequency ÷ total × 360'*

Result	Frequency	Angle
Win	20	$20 \div 60 \times 360 =$
Draw	10	
Lose	30	
<b>TOTAL</b>		



4) Draw a circle and mark the centre

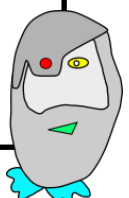
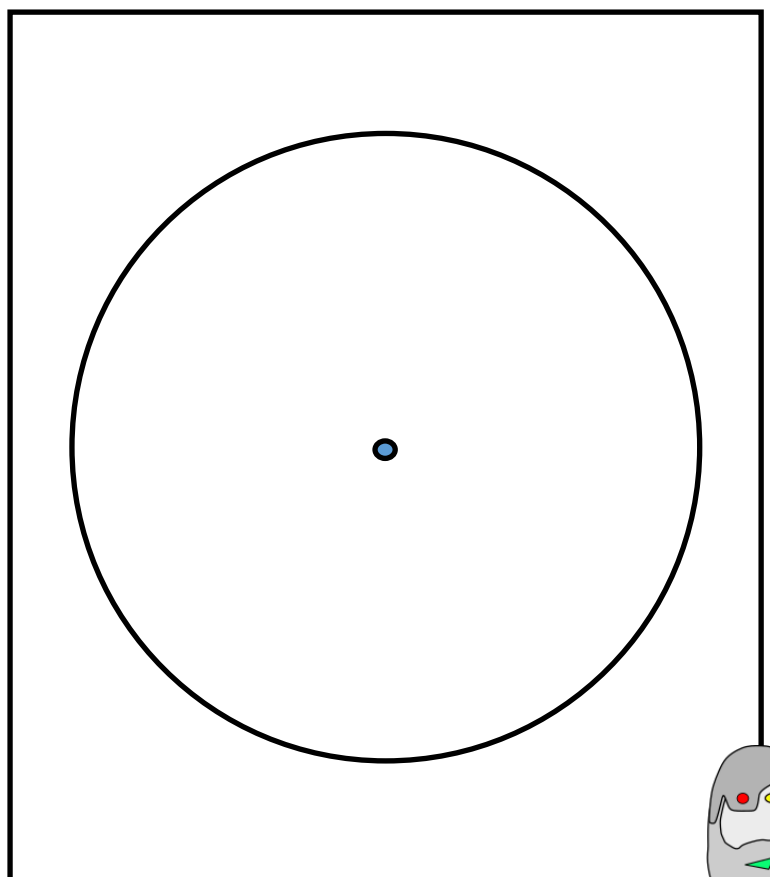
5) Draw a line from the centre to the top

6) Using a protractor, measure the angle of the first category from the centre and along the line you have drawn

7) Draw a line from the centre passing through the marked angle

8) Label the sector with the category

9) Repeat for the other categories



# Robot Maths - Displaying data (pie charts)



**Example:** Draw a pie chart for the following data

Result	Frequency
Win	35
Draw	8
Lose	47



1) Add a 'total' row and an 'angle' column to the table

2) Fill in the total of the frequencies

3) Fill in the angle boxes by doing:

$$\text{'frequency} \div \text{total} \times 360\text{'}$$

Result	Frequency	Angle
Win		
Draw		
Lose		
TOTAL		



4) Draw a circle and mark the centre

5) Draw a line from the centre to the top

6) Using a protractor, measure the angle of the first category from the centre and along the line you have drawn

7) Draw a line from the centre passing through the marked angle

8) Label the sector with the category

9) Repeat for the other categories

