

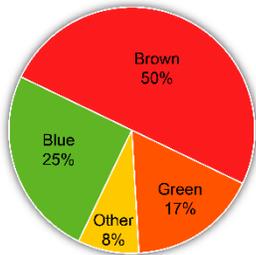
Activity 7 Assessment

Constructing Circle Graphs

Constructing Circle Graphs

Understands that a circle graph represents data that are parts of one whole

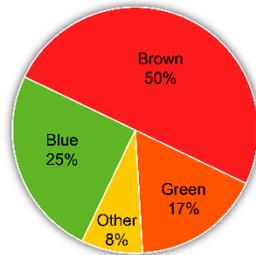
Students' Eye Colours



The sum of the percents is 100. This represents all the students who were surveyed.

Interprets a circle graph to answer questions

Students' Eye Colours



120 students were surveyed.
The number of students with blue eyes is:
25% of 120
 $= 0.25 \times 120$
 $= 30$
30 students have blue eyes.

Determines the central angle for a circle graph

25% of the people surveyed chose chocolate as their favourite ice cream flavour.

To show this on a circle graph, what would the central angle be?

$$25\% \text{ of } 360^\circ = 0.25 \times 360^\circ = 90^\circ$$

Constructs a circle graph using the central angle determined for each piece of data

Here are data about favourite ice cream flavours.

Chocolate, C: 25%

Strawberry, S: 40%

Vanilla, V: 20%

Other, O: 15%

Central angles:

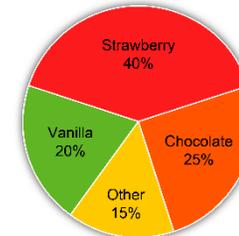
C: 25% of $360^\circ = 90^\circ$

S: 40% of $360^\circ = 144^\circ$

V: 20% of $360^\circ = 72^\circ$

O: 15% of $360^\circ = 54^\circ$

Favourite Ice Cream Flavours



Observations/Documentation