Activity 6 Assessment
Exploring Circle Graphs

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Understands that a circle graph represents data that are parts of one whole	Interprets a circle graph to answer questions	Determines the central angle for a circle graph	Constructs a circle graph using the central angle determined for each piece of data
Students' Eye Colours Brown 50% Blue 25% Green 17% Other 8% The sum of the percents is 100. This represents all the students who were surveyed.	**Students' Eye Colours** Brown 50% Blue 25% Green 17% Other 8% 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.	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% of 360° $= 0.25 \times 360°$ $= 90°$	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° = 90° S: 40% of 360° = 144° V: 20% of 360° = 72° O: 15% of 360° = 54° **Favourite Ice Cream Flavours** Strawberry 40% Vanilla 20% Chocolate 25% Other 15%
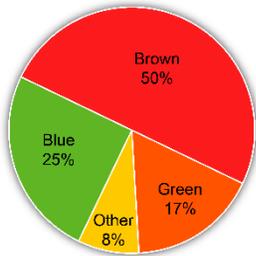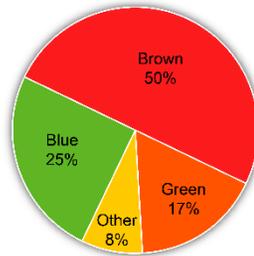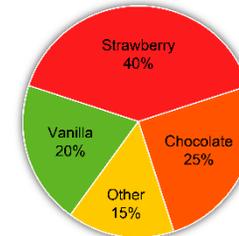
Observations/Documentation