BGE Skills Workshop

Percentages

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- Calculating percentages allows you to compare a value to the total number from the source and quantify the abundance

Percentage

- In order calculate a percentage you must take the **quantity of the object you are calculating** then divide it by the **total quantity of all**, within the source. This will give you the fractional value so it must be **multiplied by 100** to convert it into a percentage. The can also be written as an equation:

$$Percentage\% = \frac{object}{total} \times 100$$

Percentage: Example 1

- *5 pupils in a class of 20 have Green eyes. Present this as a percentage of the total class.*

1. $\frac{pupils}{total}$

$$\frac{5}{20} = 0.25$$

2. x100

0.25 x 100 = 25%

Percentages: Example 2

A forest contains 50 Oak trees, 30 Fir trees, and 70 Birch Trees. What percentage of the forest is made up of Oak trees.

$$Percentage\% = \frac{object}{total} \times 100$$

$$Percentage\% = \frac{50}{150} \times 100$$

$$Percentage\% = 33\%$$