



Switch Off!!! - A Pollution Solution

Data Detectives – Graphing Worksheet

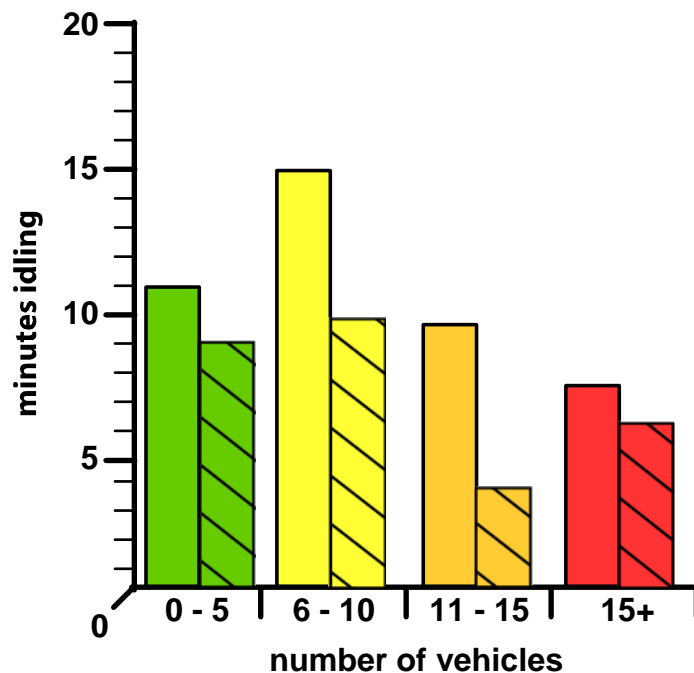
Graphing your results - How many vehicles are Switching off! A before and after comparison

Use the graph paper below to compare the amount of time people were idling outside your school before and after your Switch Off education blitz. The results you come up with will show the difference you have made.

Instructions for making your graph:

1. On the x-axis label the amount of time people are idling. Use measurements of 1 to 5 minutes, 5 to 10 minutes, 11 to 15 minutes and 20 minutes or more.
2. On the y-axis label the number of vehicles idling.
3. Use 2 bars side by side in different colours or shading, to present your results. One bar will represent your Round 1 results and the other will represent your Round 2 results. Remember to make a legend of which colour represents Round 1 and which represents Round 2.

Example:





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Graphing your results – Which types of vehicles are Switching off?

Instructions for making your graph:

1. Use the information from your Switch Off! tally charts to add up the number of each type of vehicle that idled in your school zone. You will do this twice, first with your 'before' results and then with your 'after' results.

Vehicle types

- a) Cars _____
 - b) Mini vans _____
 - c) Pick up truck _____
 - d) Sports utility vehicles (SUVs) _____
 - e) Buses _____
 - f) Delivery vehicles _____
2. On the x-axis label the number of vehicles idling
 3. On the y-axis label the type of vehicle idling use the vehicle types list
 4. Use 2 bars side by side in different colours or shading, to present your results. One bar will represent your before results and the other will represent your after results. Remember to make a legend of which colour represents 'before' and which represents 'after'.

Example:

