

RainScope – Fighting against Climate Change

What is the problem?

During heavy rainfall, the volume of water coming into the Welsh Water sewers is a problem. This problem has increased due to climate change, urban creep, and developments. Too much water is getting into the sewers, and can cause flooding!

Have a look at the table of Regional Rainfall data below, rounded to the nearest mm.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2015	187	88	97	35	136	59	114	129	72	72	246	335	1570
2016	344	155	117	90	88	140	83	109	145	17	133	88	1509

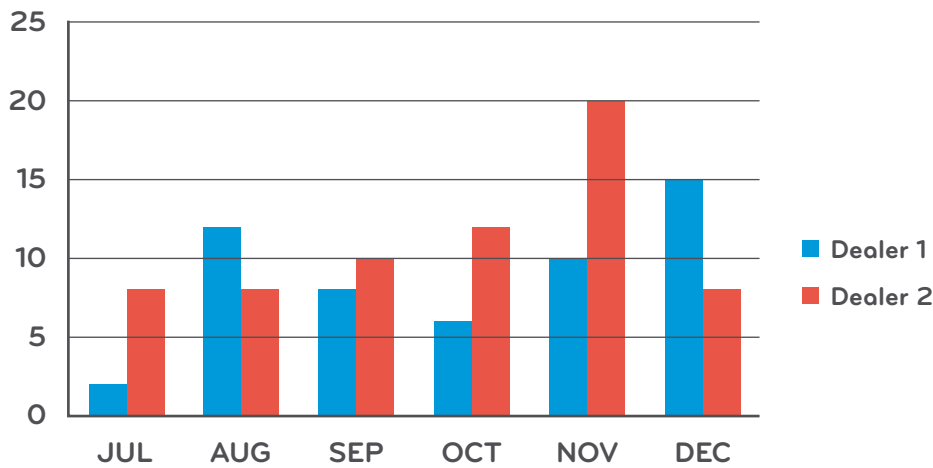
Answer these questions:

1. Which month in 2015 had the largest volume of rain?
2. Which month in 2016 had the largest volume of rain?
3. How much rain fell in May 2015?
4. How much rain fell in November 2016?
5. In which months did it rain more in 2016 than in 2015?
6. Which month had the smallest difference in rainfall?
7. Which month had the largest difference in rainfall?
8. What was the difference in rainfall in February?
9. What was the difference in rainfall in October?
10. Which year was the wettest?



Now draw the graph.

- The months will go along the bottom. Remember each bar must be the same width, and colour coded as you are plotting for 2 years.
- What will the title of your graph be?
- Add two labels to your graph. (x and y axis)
- What scale will you use?



Now write 5 questions for your friends to answer.

- 1.
- 2.
- 3.
- 4.
- 5.