

Extension activity:

Stretch yourself - create a pie chart

1. Add up all of the eight costs of extreme weather:

Total =

2. To calculate the percentage, divide the cost of the extreme weather, by the total and multiply by 100.

3. To calculate the degrees for your pie chart multiply the % by 3.6.

Weather	Cost (billions)
Flooding	\$30
Hail	\$2.5
Ice storm	\$1
Hurricane	\$108
Lightning	\$5
Monsoon	\$45
Tornado	\$2.1
Drought	\$4.7

Weather	Calculation	Percentage (%)	Degrees (°)
Flooding			
Hail			
Ice storm			
Hurricane			
Lightning			
Monsoon			
Tornado			
Drought			

4. Draw a large circle with a compass.
5. Measure the degrees with a protractor and plot your data.
6. Add a key (colour code each of the extreme weather types).
7. Add data labels (what % does each one equate to?).
8. Add a title stating what your pie chart shows.