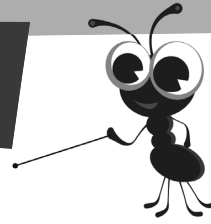


Name: _____ Date: _____

World temperatures

Interpret negative numbers in context



You will need:

- squared or graph paper
- ruler

1 Work out the difference in temperature between these pairs of places:

a Paris and Ottawa

b Monaco and Calgary

c Anchorage and Cape Town

d Yakutsk and Kathmandu

e Longyearbyen and Ottawa

f Copenhagen and Baker Lake

g Calgary and Mumbai

h The hottest and the coldest place

Town or city	Temperature in °C
Mumbai	35
Kathmandu	28
Cape Town	19
Monaco	15
Paris	12
Copenhagen	7
Ottawa	-1
Anchorage	-4
Calgary	-7
Longyearbyen	-13
Baker Lake	-26
Yakutsk	-33

2 Find out some information about Yakutsk. Where is it?

What do you think it is like there when the temperature is $-33\text{ }^{\circ}\text{C}$?

3 Draw a graph to show the temperatures in the table above.

Remember that your scale will need to include negative numbers.



The Puzzler

In a magic square the sum of each column, row and diagonal is the same – this is the magic number.

Complete the magic square.

What is the magic number?

Make up a magic square of your own using a combination of positive and negative integers.

-7	4	-6
	-10	