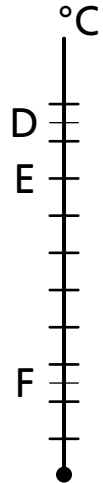# Deepen Activities

1 The thermometer shows the temperature in cities D, E and F, but the numbers have worn off.

°C

a) D is 14°C warmer than F. How much colder is E than D?

D

E

b) The temperature at E is a positive integer. The temperature at F is negative. What could they be?

F

> I used my answer to the first part to help me with the second part!

2 a) Use each digit card once to make an even number as close as you can to five million.

| 6 | 4 | 7 | 3 | 1 | 5 | 9 |

b) What is the difference between the second largest and second smallest odd numbers you can make?

c) How many multiples of 5 can you make greater than nine million, seven hundred and fifty thousand?

3 This seven-digit number is even. It rounds to 6,780,000 to the nearest 10,000. It rounds up to the nearest 100. It has a digit total of 42.

● ▲ ▲ ■ ★ ○ ■

a) What is the number?

b) Make up your own problem for a friend.