

Look at the table showing the melting points for different elements. Answer the questions about melting points.

Element	Melting point ( $^{\circ}\text{C}$ )
bromine	-7
mercury	-39
chlorine	-101
nitrogen	-210
oxygen	-218
potassium	64
sodium	98
tin	232

- 1 What is the degree difference between the melting points of bromine and sodium?
- 2 Which element has a melting point that is  $165^{\circ}\text{C}$  colder than the melting point of potassium?
- 3 Which element has a melting point that is  $271^{\circ}\text{C}$  warmer than the melting point of mercury?
- 4 What is the degree difference between the melting points of oxygen and nitrogen?

Write the pairs of elements that have the following differences.

5  $34^{\circ}\text{C}$

6  $109^{\circ}\text{C}$

7  $199^{\circ}\text{C}$

8  $137^{\circ}\text{C}$

Answer these word problems.

- 9 Rachel has a balance of  $-\pounds 76.20$  in her bank account and she gets paid  $\pounds 120.50$ . How much does she have in her account now?
- 10 Leo has  $\pounds 27.30$  in his account but pays a bill for  $\pounds 59.35$  from the account. By how much is he now overdrawn?



Ibraheem subtracts one negative number from another and gets an answer of  $-1$ . If one of Ibraheem's numbers is  $-6$ , what two possible numbers could the other be?



I am confident with reading and ordering negative numbers.