Make sure you learn these spellings by Wednesday 21st October!

Remember to look, read, write, cover and check!

exaggerate

excellent

existence

explanation

familiar

foreign

forty

frequently

government

guarantee

11 Times Table

0	x	11	=	0
1	x	11	=	11
2	x	11	=	22
3	x	11	=	33
4	x	11	=	44
5	x	11	=	55
6	x	11	=	66
7	x	11	=	77
8	x	11	=	88
9	x	11	=	99
10	x	11	=	110
11	x	11	=	121
12	x	11	=	132

Mathletics tasks have been set.

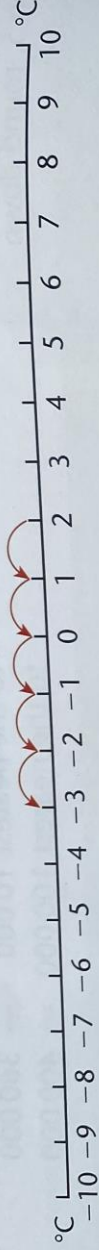# NEGATIVE NUMBERS

TARGET To count forwards and backwards through zero and to interpret negative numbers in context.

Negative numbers
Below zero
Have a minus sign

Positive numbers
Above zero

°C −10 −9 −8 −7 −6 −5 −4 −3 −2 −1 0 1 2 3 4 5 6 7 8 9 10 °C

We often use negative numbers in the context of temperature.

Example The temperature is 2°C. It falls 5°C.
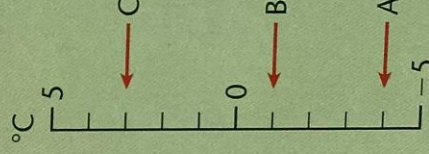What is the new temperature?   Answer −3°C

A

Use the number line above.

1 Count on 3 from −8

2 Count on 6 from −10

3 Count on 4 from −1

4 Count on 6 from −4

5 Count on 4 from −3

6 Count on 3 from −5

7 Count on 7 from −7

8 Count on 8 from −2

9 Count on 5 from −6

10 Count on 10 from −3

11 Count on 6 from −8

12 Count on 9 from −5

Copy and complete by filling in the boxes.

13 −5 −4 ☐ ☐ ☐ 1 ☐ 3 ☐ 5

14 ☐ −6 −4 ☐ 0 ☐ ☐ 6 ☐ 10

15 ☐ ☐ ☐ 3 2 ☐ −1 ☐ −2 ☐ −4 ☐

16 10 ☐ ☐ 2 0 ☐ −2 ☐ ☐ ☐ −10

Look at the scale.

°C
5 ── C
0 ── B
−5 ── A

17 What temperatures are shown by the letters?

18 Which letter shows the coldest temperature?

19 Give the difference in temperature between:
a) A and B
b) B and C
c) A and C

20 What would the temperature be if it was:
a) at B and rose 5°   c) at A and rose 6°
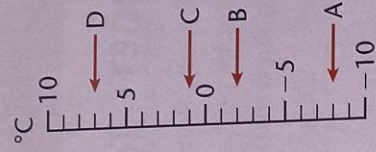b) at B and fell 4°   d) at C and fell 5°.

B

Use the number line on page 8.

1. Count on 7 from −9
2. Count on 6 from −3
3. Count on 10 from −6
4. Count on 8 from −1
5. Count back 5 from 2
6. Count back 12 from 8
7. Count back 7 from 0
8. Count back 6 from 5

Copy and complete the sequences.

9) 4   3   2   1   □   □   □
10) −5   −4   −3   −2   □   □   □
11) □   □   □   −2   −4   −6   −8
12) 6   4   □   □   □   −4   −6
13) −10   −8   □   □   □   0   2
14) 9   7   5   3   □   □   □

15. What temperatures are shown by the letters?

°C scale: 10, 5, 0, −5, −10 with arrows marked D, C, B, A

16. Give the difference in temperature between:
   a) A and C
   b) B and D
   c) B and C
   d) A and D

17. What would the temperature be if it was:
   a) at A and rose 10°
   b) at B and rose 5°
   c) at C and fell 10°?

Put > or < in each box.

18) 0 □ −2
19) −5 □ 5
20) −4 □ 3
21) −1 □ −2
22) 0 □ 1
23) −2 □ −8
24) −1 □ 0
25) 7 □ −9

C

Find the difference between:

1. −2 and −5
2. −7 and 1
3. 4 and −1
4. −1 and 9
5. −6 and −1
6. 0 and −3
7. 2 and −4
8. −5 and 4.

Put these numbers in order, smallest first.

9) 1   −3   2
    0   −5

10) 2   4   −1
    −3   1

11) 0   2   −4
    −1   3

12) 1   −5   0
    −2   5

Copy and complete these tables showing changes in temperature.

13.

Sunday	Change	Monday
−2°C	+4°C	
1°C	−3°C	
0°C	−5°C	
3°C	−4°C	
−5°C	+3°C	
−3°C	+5°C	

14.

Sunday	Change	Monday
3°C		−3°C
−4°C		−1°C
−1°C		5°C
5°C		−7°C
0°C		−4°C
−6°C		3°C