

Tuesday 23rd February 2021

MLJ: To count backward through zero.

A Continue these sequences:

- 1) -7, -6, -5, -4, -3, -2, , ,
- 2) 4, 3, 2, 1, 0, , ,
- 3) -6, -4, -2, , ,
- 4) -9, -6, -3, 0, , ,
- 5) -11, -6, -1, , ,

B Put these numbers in **ascending** order:

- 1) 1, 3, -3, -5, -7
- 2) -8, -3, 9, -7, 4
- 3) -11, 3, 7, -4, -8
- 4) -8, -2, 0, -12, 5
- 5) 8, -5, 15, -9, -12

C Put these numbers in **descending** order:

- 1) -7, 3, 6, -3, 2
- 2) 0, -6, 2, 8, -3
- 3) 2, 0, -7, -2, 9
- 4) 1, -7, 8, -11, 10
- 5) -14, 8, 15, -15, 7

D Put the correct symbol (< or >) between the two numbers:

- 1) -1 ? 7
- 2) 6 ? 2
- 3) -6 ? 0
- 4) 5 ? -2
- 5) -13 ? -3

E Write down which numbers could be included for these:

- | | |
|----------------|---------------|
| 1) $x > 9$ | 5) $x > 10$ |
| 2) $x \leq 8$ | 6) $x \leq 7$ |
| 3) $x \geq -1$ | 7) $x \geq 0$ |
| 4) $x < 0$ | 8) $x < -1$ |

F Try these, you can use a number line to help you

1) $-2 + 3 =$

6) $-3 + 4 =$

2) $3 - 8 =$

7) $4 - 7 =$

3) $-5 + 5 =$

8) $-6 + 4 =$

4) $1 - 3 =$

9) $0 - 2 =$

5) $-2 - 6 =$

10) $-1 - 4 =$

G Try these, you can use a number line to help you

1) $14 - 25$

5) $-11 + 21$

2) $2 - 19$

6) $15 - 17$

3) $-8 + 12$

7) $5 - 16$

4) $-5 + 3$

8) $9 - 14$

H) Midday temperatures in different towns are shown below:

Axminster -6°C

Bodmin 10°C

Canford -1°C

Dunster 3°C

Eetown -3°C

- (a) Which town has the highest temperature?
- (b) Which town has the lowest temperature?
- (c) What is the difference in temperature between Canford and Bodmin?
- (d) How much warmer in $^{\circ}\text{C}$ is Dunster than Eetown?
- (e) How much colder in $^{\circ}\text{C}$ is Axminster than Canford?
- (f) Next day, the temperature in Dunster has decreased by 6°C . What is its temperature after the decrease?
- (g) The temperature in Fintown is 10°C warmer than Axminster. What is the temperature in Fintown?