

Monday 11th January 2020

Negative Numbers – Try These First

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) ? > 9 | 5) ? > 10 |
| 2) ? < 8 | 6) ? < 7 |
| 3) ? > -1 | 7) ? > 0 |
| 4) ? < 0 | 8) ? < -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) $9 - 14$ |

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Negative Numbers – Challenge Yourself!

Each alien has started from a number and worked their way up the maze to the finish line.

Finish							
-15	-19	-10	-9	-28	-33	-31	-29
-22	-16	-17	-17	-29	-25	-23	-25
-17	-8	-15	-13	-15	-25	-22	-19
-16	-17	-8	-11	-11	-16	-21	-16
-15	-9	-9	6	-1	-17	-13	-10
-2	-12	-7	8	-13	-10	-7	-8
-4	-3	-9	-5	-9	-7	-6	-6
-1	15	-6	-3	12	-5	-4	7
Start							



Look for numbers counting backwards in steps of 2.

Look for numbers counting backwards in steps of 3.



- a) Can you find each alien's correct route? You can move horizontally, vertically or diagonally.
- b) This sneaky little alien has hidden another route but he won't reveal the counting instruction. Can you find another route from one of the starting numbers to a finish number, counting backwards in the same step each time and reveal the counting instruction?

