Comparing and ordering integers

6 questions | 13 marks

Equivalent correct methods earn the corresponding marks.

1. Write 3, −4, 0, −8 and 6 in ascending order. [2 marks]

Place the integers from left to right.

The two negatives come first, followed by zero and the positives.

Answer: −8, −4, 0, 3, 6

2. Put <, > or = between −9 and −2. [2 marks]

−9 lies further left.

Answer: $-9 < -2$

3. Find the greatest of −15, −6 and −11. [2 marks]

The greatest lies furthest right.

Among these negatives, −6 is closest to zero.

Answer: −6

4. Which integer lies strictly between −1 and 1? [2 marks]

The consecutive integers are −1, 0 and 1.

Answer: 0

5. Order from coldest to warmest: −4°C, 2°C, −1°C, 0°C. [2 marks]

Coldest is the least signed value.

Arrange from left to right.

Answer: −4°C, −1°C, 0°C, 2°C

6. Which of −13, −2 and 6 is closest to zero? [3 marks]

Their distances from zero are 13, 2 and 6.

The least distance is 2.

Answer: −2