

# Negative Numbers

## Challenge Cards



### Negative Numbers

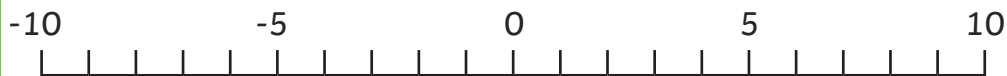
This is a set of different challenge activities for children to use to build up their understanding of negative numbers. Pupils will count forwards and backwards through zero to include negative numbers.

### Negative Numbers

1. Complete the sequence

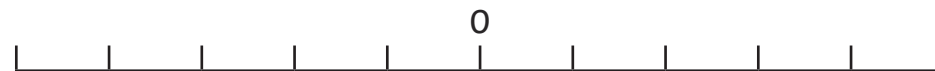
-5, -3, \_\_, 1, 3

Explain why.



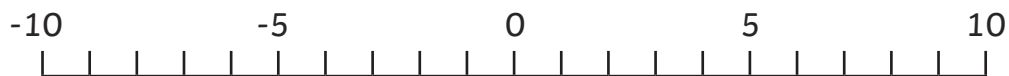
### Negative Numbers

2. Mark -1 and 2 on the scale.



### Negative Numbers

3. Record a number between -10 and 0.  
Is the number you have chosen more or less than -5?



### Negative Numbers

4. Complete this number sentence;

$$\underline{\quad} > -4^{\circ}\text{C}$$

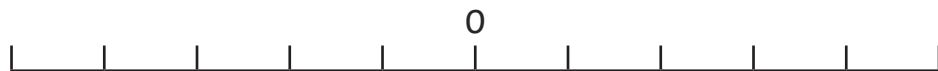
Can you think of a way to remember what the symbols  $<$  and  $>$  mean?

### Negative Numbers

5. Complete this number sentence;

$$\underline{\quad}, -3, 1, 5$$

What is the pattern?



### Negative Numbers

6. Minh is counting down from 13 in fours.  
Is -12 in the sequence?

Explain your reasoning.



### Negative Numbers

7. True or false:

-7 is a bigger number than -3?

Convince me that your answer is correct.

### Negative Numbers

8. True or false:

-11 is a smaller number than -2?

Convince me that your answer is correct.

### Negative Numbers

True	2	-1
-7	Choose from these answers to complete your challenge	False
No	-1, 2	-5

### Negative Numbers Answers

1.  $-1^\circ$ . The scale increases by 2 every time.
2. -1 and 2 marked on scale.
3. Range from -9 to -1 or select -5 from solution card.  
-9 to -6 is less, -4 to -1 is more.
4. Range from -3 and above or select 2 from solution card.
5. -7. The scale increases by 4 every time.
6. No. The sequence would be: 13, 9, 5, 1, -3, -7, -11, -15.
7. False and reasoning that -3 is closer to 0 than -7 so is bigger.
8. True and reasoning that -11 is further from 0 than -2 so is smaller.