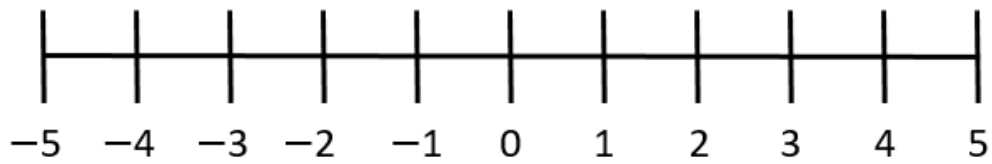


L.O. I am learning to interpret and use negative numbers in a context.

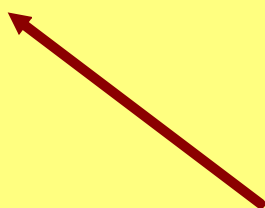
D




Where have you seen negative numbers before?

Ⓓ

L.O. I am learning to interpret and use *negative numbers* in a context.



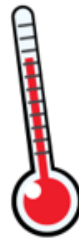
What are these!?

 <https://www.bbc.co.uk/bitesize/topics/znwj6sg/articles/zxthnbk>

④ Contexts where we use negative numbers:



Eva has £10 in her bank account and buys a coat for £15
She now has £-5



Temperature -
when the temperature is below freezing (0°C), it is shown as a negative number



Lift



Negative numbers can be used to measure under sea level



You will need:

Two players, a counter, a 1-6 dice to use.



Decide who is **Positive** and who is **Negative** - positive moves the counter from left to right and negative moves the counter from right to left.

Place the counter on 0 (the picture above shows a red counter).

Take it in turns to throw the dice and move the counter that number of places in your direction.

If the counter reaches -13, Negative has won. If the counter reaches 13, Positive has won.

If you are home learning - you will still have the number line, so you can see how many goes it takes to get to the number + or - 13. If you do it in less than 3 goes, swap to the inverse (e.g. if you were negative change to positive and vice versa).



$$a. 3 - 6 =$$

$$b. -5 + 9 =$$

With these questions are we moving *left down* the numberline or *right up* the numberline?



$$a. 3 - 6 = -3$$

$$b. -5 + 9 = 4$$

With these questions are we moving *left down* the numberline or *right up* the numberline?



c. $2 - 4 =$

d. $-3 + 5 =$

e. $-4 - 10 =$

f. $-1 + 7 =$

With these questions are we moving *left down* the numberline or *right up* the numberline?



$$c. 2 - 4 = -2$$

$$d. -3 + 5 = 2$$

$$e. -4 - 10 = -14$$

$$f. -1 + 7 = 6$$

With these questions are we moving *left down the numberline* or *right up the numberline*?



a. 4 more than $-3 =$

b. 5 less than 2 =

With these questions are we moving *left down* the numberline or *right up* the numberline?



a. 4 more than $-3 = 1$

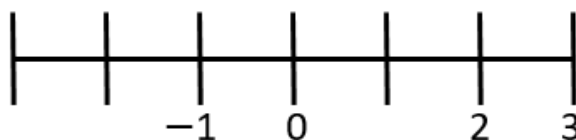
b. 5 less than $2 = -3$

With these questions are we moving *left down* the numberline or *right up* the numberline?

Checkpoint Challenge:



1) Complete the number line:



2) $0 - 1 =$

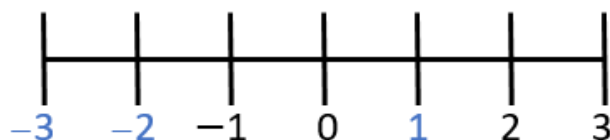
3) What is 3 less than 1?

4) What is 4 more than negative 2?

Checkpoint Challenge:



1) Complete the number line:



2) $0 - 1 = -1$

3) What is 3 less than 1? -2

4) What is 4 more than negative 2? 2

Now home learners, complete the sheet provided.