

Mastering Negative Numbers with Max the Monkey

Learning objective: To understand, order, and calculate with positive and negative integers in context, including temperature and money.

Use these flashcards to test your knowledge of negative numbers. Max the Monkey has prepared these challenges to help you become a master of the number line!

What is an integer?

A whole number that can be positive, negative, or zero.

If the temperature is 3°C and it drops by 5°C , what is the new temperature?

-2°C .

Which is greater: -7 or -2? Explain why.

-2 is greater because it is further to the right on a number line.

Max has £5 in his bank account but spends £8. What is his new balance?

£-3.

What is the difference between -4 and 4?

8 (from -4 to 0 is 4, and 0 to 4 is another 4).

If you are at -10 on a number line and you add 15, where do you land?

5.

True or False: -100 is smaller than -1.

True, because -100 is further to the left on the number line.

Complete the sequence: 2, 0, -2, ...

-4, -6.

Justify why -5 is considered 'colder' than -1.

Because -5 is a lower value on the temperature scale, representing a greater distance below zero.

If a submarine is 20 metres below sea level (-20m) and rises 15 metres, what is its new depth?

-5 metres (or 5 metres below sea level).

Compare and contrast: How is adding a negative number similar to subtraction?

They both move you further left (downwards) on the number line.

What might happen if you represent a bank debt of £50 as a positive number?

The accounts would be incorrect, as the number would suggest you have money rather than owing money.