

Negative Numbers Challenge Cards

-5 -2

Negative Numbers

This is a set of different challenge activities for children to use to build up their understanding about negative numbers. Use these cards to support children to interpret and use negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero.

Negative Numbers

1. Is this correct?

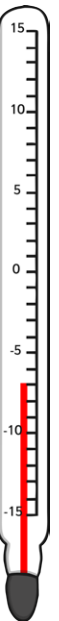
$$58 + -16 = 74$$

Explain why.

Negative Numbers

2. Hamish flew from Aberdeen to Stockholm.

The temperature at the airport was -7°C on take-off and -12°C on landing. By how much had the temperature changed by the time he got to Sweden? Was this an increase or a decrease?



Negative Numbers

3. Mrs Plus, the maths teacher, can't remember the rounding rule. Explain to her how to round -3.5 to the nearest integer.

Negative Numbers

4. Henry wanted to go sale shopping for a new catapult. He had £10 in the bank but he withdrew £30. He didn't spend all of his money and paid £24 back in to the bank. Then he remembered he had to pay for this week's comic so another £3 was debited. How much was in his account?

Negative Numbers

5. Find the finishing position of a robot starting at 0, facing in the positive direction, and:

It moves forwards 3 places

It then reverses 5 places

It is turned to face the negative direction and reverses 4 places

If the robot had started at $+2$ and made the same moves, where would it have finished?



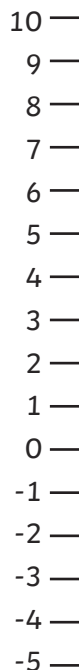
Negative Numbers

6. Mum wanted to make some ice cream and the recipe suggested a very cold freezer temperature setting. If the freezer was at -6°C and then lowered by 9°C , how cold did the recipe suggest it needed to be?



Negative Numbers

7. The pizza delivery man had two deliveries to make at Takeout Towers. The flats have floors above and below ground. The first delivery was on level 5. He was then told to go down 8 floors. On which floor was his second delivery?



Negative Numbers

8. The school fundraising quiz has a scoring system as follows: £5 is given for a correct answer and £4 pounds is deducted for each incorrect one.

How much was earned by Year 5 after answering 4 out of 10 questions correctly?

Negative Numbers

-3	No	-15 °C
£1.00	Choose from these cards to complete your challenge	3
-£4.00	2, 4	-5 °C

Negative Numbers Answers

1. No. $58 + -16 = 42$ as you need to take 16 away from 58.
2. 5 °C decrease
3. -3 because -3 is the next biggest integer after -3.5.
4. £1.00
5. 2, 4
6. -15 °C
7. -3
8. -£4.00