

# Word Problems Involving Negative Numbers

I can solve word problems involving negative numbers

Answer these questions. Adding numbers to the blank number lines may help you.

1. The temperature at 6 p.m. is  $8^{\circ}\text{C}$ , at 6 a.m. the next morning the temperature has dropped to  $-7^{\circ}\text{C}$ . How many degrees has the temperature fallen by?



2. If you point to 11 on a number line and then count back 18, which number do you get to?



3. The elevator in a skyscraper travels from floor 19 to the underground car park on level -4. How many floors has it descended?



4. An overdraft is a facility which means you can have a negative amount of money in your bank account. If a saver had a balance of  $-\text{£}19$  and then paid  $\text{£}30$  into his bank account, how much would he have available to spend?



5. In a quiz, a team scores 2 points for each correct answer and loses 5 points for each wrong answer. From the start of a game, a team gets 4 questions in a row correct, but then gets two questions wrong. How many points do they have?



6. The temperature in New York is  $4^{\circ}\text{C}$  when the Christmas lights are switched on. By 9 a.m. the next day, the temperature has fallen by  $11^{\circ}\text{C}$ . What is the new temperature?

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7. Mrs. Jones buys a pair of skis and pays for them with her debit card. The skis cost  $\pounds 85$  and she had  $\pounds 50$  in her account. What is her new balance?

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8. Mr. Davies overspends during the month of September and goes  $\pounds 247$  overdrawn. How much does he have left after his October wages of  $\pounds 847$  are paid into his account?

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