

Negative problems

Solve negative number problems



Challenge

1

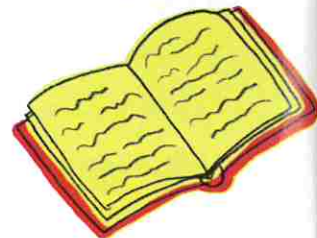
- 1 Frank had $-\pounds 52$ in the bank. Unfortunately, he lost his coat and had to buy another one, which cost him $\pounds 128$. What is his bank balance now?
- 2 The temperature in Philadelphia is -9°C and in Adelaide it is 19°C . How much warmer is it in Adelaide than in Philadelphia?
- 3 Sophia's bank balance is $-\pounds 48$, as she spent too much on her new trainers. She is going to pay $\pounds 6$ each week into the bank. How long will it take her to get back to a bank balance of $\pounds 0$?
- 4 Jasmine likes to check the temperature throughout the day. At 7:00 a.m. when she got up it was -4°C . She looked again when she got home from school and the temperature had risen by 15°C . What was the new temperature?
- 5 Shahin's money balance was $\pounds 39$. He needed to buy a new jacket that cost $\pounds 62$. What is his new money balance?



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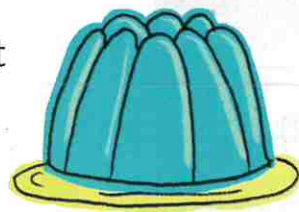
2

- 1 Jasmine was given $\pounds 80$ for her birthday. She bought a pair of shoes for $\pounds 59.50$ and a pair of jeans for $\pounds 43.20$. What will her bank balance be now?
- 2 Susie earns $\pounds 7$ a week for her work at the farm. She also gets an allowance of $\pounds 10$ a month from her parents. In January she spent $\pounds 6.99$ on a book, $\pounds 18.50$ on a new jumper and $\pounds 25.40$ on some boots that were in the sale. What is her balance at the end of January?
- 3 The temperature in Las Vegas is 19°C and in Quebec it is -31°C . What is the difference in temperature?



4 Frank had $-\pounds 56.20$ in the bank. Unfortunately, he lost his phone and had to buy another one, which cost him $\pounds 234.50$. What will his bank balance be now?

5 Rosie made some jelly with water that had a temperature of $51\text{ }^{\circ}\text{C}$. She put it in the freezer to cool but forgot about it and the temperature dropped by $64\text{ }^{\circ}\text{C}$ and it froze. She got it out and by the time she wanted to eat it the temperature had risen by $33\text{ }^{\circ}\text{C}$. What temperature was the jelly when she ate it?



6 A business is in trouble. Its bank balance is $-\pounds 3825$. It has two payments owed to it: one for $\pounds 865$ and the other for $\pounds 643$. What will the bank balance be once it receives these payments?



1 On a winter day Frank's thermometer tells him it is $-5.6\text{ }^{\circ}\text{C}$ in his garden and a cosy $23.9\text{ }^{\circ}\text{C}$ in his house. How much warmer is his house than his garden?

2 Rosie's mum has $\pounds 85$ left in her bank account. One morning four bills arrive: car tax $\pounds 77$, mobile phone bill $\pounds 42.83$, car repair $\pounds 257.45$ and vet bill $\pounds 54.27$. What will her bank balance be after she has paid all her bills?



3 A business is in trouble. Its bank balance is $-\pounds 28\,429$. It needs to pay its workers this month and that is going to cost them $\pounds 5842$. But it does have two payments owed to it: one for $\pounds 13\,164$ and the other for $\pounds 9899$. What will the bank balance be after these transactions have been completed?



4 What is the difference between the temperature of most freezers and room temperature? What is meant by 'room temperature'?

5 Where in the world has the hottest temperature right now? And the coldest? What is the difference between the two temperatures?

