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Date: _____ Name: _____

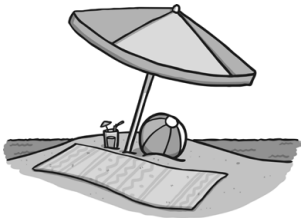
Negative Numbers in Context

Aim : Use negative numbers in context

1. The highest temperature recorded on Earth is 56°C. The coldest temperature recorded on Earth is - 89°C. What is the difference between these temperatures?

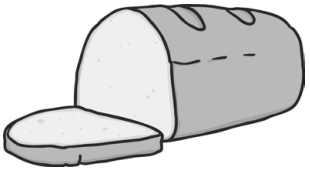
Answer:

2. George has £1346 in his bank account. He buys a holiday, which costs £1750. How much will he be overdrawn?



Answer:

3. The temperature in the freezer is -28°C. A loaf of bread is taken out of the freezer and allowed to thaw overnight in the kitchen, where the temperature is 18°C. By how much will the temperature of the bread rise?



Answer:

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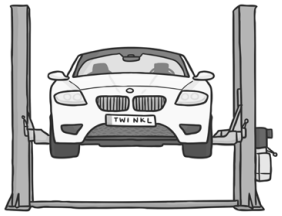
4. Ellie is £25 overdrawn. She needs to spend £134 repairing her car. How much will she be overdrawn now?



Answer:

5. The temperature outside at 3pm is – 12°C. Overnight the temperature drops to -31°C. By how much does the temperature fall?

Answer:

6. Mr and Mrs Jones have £456.75 in their bank account. They have to pay the following bills.

Electricity	£234.97
Gas	£132.17
Council Tax	£108.34

What will their account balance be after paying the bills?

Answer:

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Negative Numbers in Context

Answer sheet

Question	Answer
1	56 – (-89) = 145. The answer is 145°C
2	£1750 – £1346 = £404
3	18 – (-28) = 46. The temperature is 46°C.
4	-£25 – £134 = -£159. £159 overdrawn.
5	-31 – (-12) = - 19. The temperature falls by 19°C.
6	Total bills: £234.97 + £132.17 + £108.34 = £475.48 Balance: £456.75 - £475.48 = -£18.73. The balance is £18.73 overdrawn.

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