

# Inverse Operations Reasoning

1. Mo baked 32 cakes for the school fair. He has sold 15 cakes so far. Mo says, 'I have 16 more cakes to sell.' Is he right? Explain your answer.

2. Dan is doing some maths work. He has written the following number sentence:  $67 + 8 = 75$

Use a subtraction sentence to check whether his answer is correct.

3. Hamid is doing a 'missing number' problem:  $18 + \underline{\quad} = 27$

Show how he can work this out by using a subtraction. Explain how you know.

4. Libby says to her friend, 'I'm thinking of a number. I take away 6 and add 3. Now my number is 18.' What was the number Libby was first thinking of?

Challenge: Can you make up a 'thinking of a number' problem for your helper to solve?