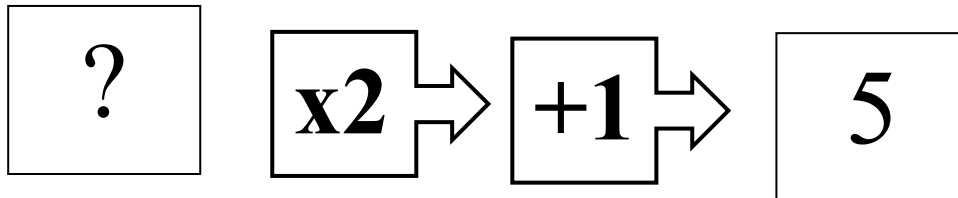# Two-Step Problems

Write down the rules, then work backwards through them to find out what the missing number must have been. The first one is done for you.

1) I think of a number. I double it. I then add 1 and my answer is 5. What was my number?

$$\boxed{?} \quad \boxed{x2} \Rightarrow \boxed{+1} \Rightarrow \boxed{5}$$

$$\boxed{5} \quad - \ 1 \ = \ 4$$

$$4 \ \div \ 2 \ = \ \boxed{2}$$

So the missing number was **2**.

2) I think of a number. I multiply it by 3, then add 7. My answer is 13.

3) I think of a number. I multiply it by 5, then subtract 4. My answer is 6.

4) I think of a number. I multiply it by 4 and take away 10. My answer is 14.

5) I think of a number. I multiply it by 5, then add 1. My answer is 1.

6) I think of a number. I take away 2. My answer is - 4.

7) I think of a number. I multiply it by 2, then I add 3. My answer is 1.