Step-by-step rules

6 practice questions

1. Start at 3. Add 4, then subtract 2.

$3 + 4 = 7$; $7 - 2 = 5$.

Answer: 5.

2. Start at 6. Double, then add 3.

$6 + 6 = 12$; $12 + 3 = 15$.

Answer: 15.

3. Start at 6. Add 3, then double. Compare with the previous answer.

$6 + 3 = 9$; $9 + 9 = 18$.

Answer: 18; it is 3 more than 15.

4. Start at 10. Subtract 2 each round. Give the first 3 results.

$10 - 2 = 8$; $8 - 2 = 6$; $6 - 2 = 4$.

Answer: $8, 6, 4$.

5. Start at 2. Each round, double then add 1. Find the second result.

Round 1 gives $2 + 2 + 1 = 5$. Round 2 gives $5 + 5 + 1 = 11$.

Answer: 11.

6. Change 7 into 15 using add 1 and double, each once. Give the order.

$7 + 7 = 14$; $14 + 1 = 15$. Adding 1 first would give 16.

Answer: Double, then add 1.