



# Reverse Operations - set samples - paper 1

Work backwards to find the original numbers.

1. Mary thinks of a number.  
She divides it by 5.  
She then adds 9.  
The answer is 10.  
What was her original number?

A. 4      B. 2      C. 11      D. 5

ans \_\_\_\_\_

2. Suresh thinks of a number.  
He doubles it.  
He then subtracts 2.  
The answer is 10.  
What was his original number?

A. 6      B. 7      C. 18      D. 2

ans \_\_\_\_\_

3. Laila thinks of a number.  
She adds 6.  
She then triples it.  
The answer is 27.  
What was her original number?

A. -3      B. 9      C. 3      D. -7

ans \_\_\_\_\_



## Reverse Operations - set samples - Answers

1. Let  $n$  be the original number.

$$(n / 5) + 9 = 10$$

Subtract 9:

$$n / 5 = 1$$

Multiply by 5:

$$n = 5$$

Answer: D (5)

2. Let  $n$  be the original number.

$$(n \times 2) - 2 = 10$$

Add 2:

$$n \times 2 = 12$$

Divide by 2:

$$n = 6$$

Answer: A (6)

3. Let  $n$  be the original number.

$$(n + 6) \times 3 = 27$$

Divide by 3:

$$n + 6 = 9$$

Subtract 6:

$$n = 3$$

Answer: C (3)