Maths Homework :01

Year : 09

Student Name: _____   Date: 01/10/2020

1 What is the rule for the number pattern 3, 6, 9, 12, ...?

- ⊙ Multiply by 3
- ⊙ Add 3
- ⊙ Multiply by 2

2 What is the rule for the number pattern 5, 9, 13, 17, ...?

- ⊙ Multiply by 5
- ⊙ Multiply by 4
- ⊙ Add 4

3 What is the rule for the number pattern 2, 4, 8, 16, ...?

- ⊙ Square the previous term
- ⊙ Add 2
- ⊙ Multiply by 2

4 What's the common difference in the sequence 6, 8.5, 11, 13.5, ...?

- ⊙ 2.5
- ⊙ 5
- ⊙ 1.5

5 What's the next number in the pattern 6, 8.5, 11, 13.5, ...?

- ○ 15
- ○ 16
- ○ 15.5

6 What's the common difference in the sequence 6, 3, 0, ...?

- ○ 3
- ○ 0.5
- ○ −3

7 What's the nth term in the sequence 7, 14, 21, 28, ...?

- ○ 7
- ○ $7n$
- ○ 2

8 What's the nth term in the sequence 9, 16, 23, 30, ...?

- ○ $7n$
- ○ $7n + 2$
- ○ $7n - 5$

9 The nth term in a sequence is $3n - 10$. What's the 10th term?

- ○ 3
- ○ 20
- ○ 10

10 What's the $1,000^{th}$ term in the sequence 3, 7, 11, ...?

○   3,000

○   3,999

○   3,003