

Algebra & Sequences: Easy Practice Paper 1

Q1. What is the next number in this sequence?

3, 7, 11, 15, ?

- A. 17 B. 18 C. 19 D. 20 E. 21

Q2. If $x = 5$, what is the value of $x + 8$?

- A. 3 B. 12 C. 13 D. 40 E. 58

Q3. What is the next number in this sequence?

20, 17, 14, 11, ?

- A. 6 B. 7 C. 8 D. 9 E. 10

Q4. If $a = 4$, what is the value of $3a$?

- A. 7 B. 12 C. 34 D. 43 E. 64

Q5. Solve for x .

$$x + 6 = 10$$

- A. 3 B. 4 C. 6 D. 16 E. 60

Q6. A sequence starts at 2 and the rule is "add 6". What is the 4th term?

- A. 14 B. 18 C. 20 D. 24 E. 26

Q7. A number machine multiplies every input by 3. What comes out when 7 goes in?

- A. 10 B. 18 C. 21 D. 24 E. 37

Q8. What is the next number in this sequence?

5, 10, 15, 20, ?

- A. 21 B. 24 C. 25 D. 30 E. 40

Q9. If $y = 9$, what is the value of $y - 4$?

- A. 4 B. 5 C. 6 D. 13 E. 36

Q10. What is the missing number in this sequence?

6, ?, 14, 18

- A. 8 B. 9 C. 10 D. 11 E. 12

Q11. Solve for n .

$$n - 3 = 7$$

- A. 4 B. 5 C. 10 D. 11 E. 21

Q12. Each triangle is made from 3 matchsticks. How many matchsticks are needed for 7 separate triangles?

- A. 10 B. 18 C. 21 D. 24 E. 37

Q13. What is the next number in this sequence?

2, 4, 8, 16, ?

- A. 18 B. 20 C. 24 D. 32 E. 64

Q14. If $p = 6$, what is the value of $2p + 1$?

- A. 9 B. 12 C. 13 D. 14 E. 26

Q15. What is the rule for this sequence?

1, 4, 7, 10

- A. add 2
- B. add 3
- C. add 4
- D. subtract 3
- E. multiply by 3

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