

Algebra & Sequences: Easy Practice Paper 2

Q1. What is the next number in this sequence?

4, 9, 14, 19, ?

- A. 21 B. 22 C. 23 D. 24 E. 25

Q2. If $x = 7$, what is the value of $x + 12$?

- A. 5 B. 17 C. 19 D. 21 E. 84

Q3. What is the next number in this sequence?

30, 25, 20, 15, ?

- A. 0 B. 5 C. 10 D. 11 E. 12

Q4. If $m = 3$, what is the value of $5m$?

- A. 8 B. 12 C. 15 D. 35 E. 53

Q5. Solve for x .

$$x + 9 = 15$$

- A. 5 B. 6 C. 7 D. 24 E. 26

Q6. A number machine subtracts 5 from every input. What comes out when 12 goes in?

- A. 5 B. 7 C. 8 D. 17 E. 60

Q7. What is the next number in this sequence?

100, 90, 80, ?

- A. 60 B. 65 C. 70 D. 75 E. 79

Q8. If $t = 8$, what is the value of $t \div 2$?

- A. 2 B. 4 C. 6 D. 10 E. 16

Q9. What is the missing number in this sequence?

7, 11, ?, 19

- A. 12 B. 13 C. 14 D. 15 E. 16

Q10. Solve for n .

$$n - 8 = 4$$

- A. 2 B. 4 C. 8 D. 12 E. 32

Q11. What is the next number in this sequence?

1, 3, 9, 27, ?

- A. 30 B. 36 C. 54 D. 81 E. 90

Q12. If $k = 5$, what is the value of $3k - 2$?

- A. 6 B. 10 C. 13 D. 15 E. 17

Q13. What is the rule for this sequence?

20, 16, 12, 8

- A. add 4
B. subtract 2
C. subtract 4
D. subtract 5
E. divide by 2

Q14. A pen costs c pence. Which expression shows the cost of 4 pens?

- A. $c + 4$ B. $4c$ C. $c - 4$ D. $c \div 4$ E. $4 - c$

Q15. A pattern of dots grows like this: 3 dots, 5 dots, 7 dots, ... How many dots are in the 5th pattern?

A. 9

B. 10

C. 11

D. 12

E. 13

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