Algebra & Sequences: Easy Practice Paper 3

Q1. What is the next number in this sequence?

6, 12, 18, 24, ?

A. 26 B. 28 C. 30 D. 32 E. 36

Q2. If x = 10, what is the value of x − 6?

A. 3 B. 4 C. 5 D. 16 E. 60

Q3. What is the next number in this sequence?

45, 40, 35, 30, ?

A. 20 B. 24 C. 25 D. 26 E. 28

Q4. If a = 9, what is the value of 2a?

A. 11 B. 18 C. 27 D. 29 E. 92

Q5. Solve for y.

y + 4 = 11

A. 6 B. 7 C. 8 D. 15 E. 44

Q6. A number machine multiplies every input by 4. What comes out when 5 goes in?

A. 9 B. 16 C. 20 D. 24 E. 45

Q7. What is the next number in this sequence?

3, 6, 12, 24, ?

A. 30 B. 36 C. 42 D. 48 E. 72

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Q8. If n = 12, what is the value of n ÷ 3?

A. 3 B. 4 C. 6 D. 9 E. 36

Q9. What is the missing number in this sequence?

2, 9, ?, 23

A. 12 B. 14 C. 15 D. 16 E. 18

Q10. Solve for x.

$x - 5 = 9$

A. 4 B. 5 C. 13 D. 14 E. 45

Q11. If b = 4, what is the value of b + b + b?

A. 7 B. 8 C. 12 D. 16 E. 64

Q12. Sam has n sweets and eats 3 of them. Which expression shows how many he has left?

A. n + 3 B. n − 3 C. 3n D. 3 − n E. n ÷ 3

Q13. What is the rule for this sequence?

5, 11, 17, 23

A. add 5

B. add 6

C. add 7

D. subtract 6

E. multiply by 2

Q14. What is the next number in this sequence?

1, 4, 9, 16, ?

A. 20 B. 23 C. 24 D. 25 E. 32

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Q15. If x = 6 and y = 2, what is the value of x + y?

A. 4 B. 8 C. 12 D. 26 E. 62

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