Algebra & Sequences: Easy Practice Paper 4

Q1. What is the next number in this sequence?

8, 15, 22, 29, ?

A. 32 B. 34 C. 35 D. 36 E. 38

Q2. If x = 3, what is the value of 4x?

A. 7 B. 12 C. 34 D. 43 E. 81

Q3. What is the next number in this sequence?

60, 52, 44, 36, ?

A. 24 B. 26 C. 28 D. 30 E. 32

Q4. Solve for n.

n + 7 = 20

A. 11 B. 13 C. 14 D. 27 E. 140

Q5. A number machine adds 11 to every input. What comes out when 9 goes in?

A. 2 B. 18 C. 20 D. 22 E. 99

Q6. What is the next number in this sequence?

1, 2, 4, 8, 16, ?

A. 18 B. 20 C. 24 D. 32 E. 48

Q7. If p = 15, what is the value of p − 9?

A. 4 B. 5 C. 6 D. 24 E. 135

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Q8. What is the missing number in this sequence?

12, ?, 24, 30

A. 14 B. 16 C. 18 D. 20 E. 22

Q9. Solve for x.

$3x = 12$

A. 3 B. 4 C. 9 D. 15 E. 36

Q10. Ben is y years old. Which expression shows how old he will be in 5 years?

A. $y + 5$ B. $y - 5$ C. $5y$ D. $5 - y$ E. $y \div 5$

Q11. What is the rule for this sequence?

2, 10, 18, 26

A. add 6

B. add 7

C. add 8

D. add 9

E. multiply by 5

Q12. What is the next number in this sequence?

1, 3, 6, 10, ?

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

Q13. If a = 5 and b = 3, what is the value of a × b?

A. 2 B. 8 C. 15 D. 35 E. 53

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Q14. Each table in a hall seats 6 people. Which expression shows the number of seats at t tables?

A. t + 6 B. 6t C. t − 6 D. 6 − t E. t ÷ 6

Q15. A sequence starts at 4 and the rule is "add 5". What is the 5th term?

A. 19 B. 20 C. 24 D. 25 E. 29

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