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DATE:

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ALGEBRA

KS2 MATHEMATICS

INSTRUCTIONS:

- ▶ANSWER ALL QUESTIONS
- ▶ALL WORKINGS MUST BE SHOWN
- ▶USE THE CALCULATOR WHEN EXPECTED

MARK GRADE

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KS2 Maths – Algebra Questions

Instructions: Solve the following algebraic problems. Use reasoning and show your working where needed.

1. Find the value of **x** if:

$$x + 7 = 15$$

Answer: _____

2. Solve for **y**:

$$3y = 18$$

Answer: _____

3. If $a - 5 = 9$, what is the value of **a**?

Answer: _____

4. What number is represented by **n** if:

$$2n + 4 = 16$$

Answer: _____

5. Write an expression for the total cost of **n** books if each book costs £3.

Answer: _____

6. If $t = 4$, what is the value of:

$$5t - 2?$$

Answer: _____

7. There are **x** apples. You buy 6 more. Write an expression to show how many apples you now have.

Answer: _____

8. Solve:

$$24 \div b = 6$$

Answer: _____

9. A shape has a perimeter of **4x**. If $x = 5$, what is the perimeter?

Answer: _____

10. Write an equation to represent:

“The sum of a number and 9 is equal to 20”

Answer: _____