

# JOY INTERNATIONAL COLLEGE

KM 12 KADUNA ABUJA EXPRESS WAY P.O BOX 4045  
A CHRISTIAN CO-EDUCATIONAL BOARDING SCHOOL

SUBJECT: MATHEMATICS CLASS: JSS 2 DATE: MAY 2020

## LIST OF TOPICS TO STUDY:

S/NO.	WEEKS	TOPIC	CONTENT	OBJECTIVES
1.	1	ALGEBRAIC EXPRESSIONS	Study: <ul style="list-style-type: none"><li>• <b>LCM and simplification of algebraic expressions</b></li></ul>	By the end of this chapter you should be able to; <ul style="list-style-type: none"><li>✓ Find the LCM of algebraic terms</li><li>✓ Simplify algebraic expressions</li></ul>
2.	2	ALGEBRAIC EXPRESSIONS	<ul style="list-style-type: none"><li>• <b>Solving algebraic equations and word problems</b></li></ul>	By the end of this chapter you should be able to; <ul style="list-style-type: none"><li>✓ Solve linear algebraic equations</li><li>✓ Solve word problems leading to linear algebraic equations</li></ul>

**INSTRUCTION: Answer all questions from this section.**

**A: Questions from week seven topic.**

1] Find the LCM of 6a and 9ab \_\_\_\_\_

2] Find the LCM of  $12a^2$ , 18ab, and  $20b^2$  \_\_\_\_\_

3] Simplify  $\frac{2r}{3} + \frac{4r}{5}$  \_\_\_\_\_

4] Simplify  $\frac{m}{3} - \frac{n}{2}$  \_\_\_\_\_

5] Simplify  $\frac{5}{a} + \frac{4}{b}$  \_\_\_\_\_

6] Simplify  $\frac{5}{a} + \frac{8}{3a}$  \_\_\_\_\_

7] Simplify  $\frac{4x}{3} - \frac{2x}{9}$  \_\_\_\_\_

8] Simplify  $\frac{3a+1}{2} + \frac{a+2}{2}$  \_\_\_\_\_

9] Simplify  $\frac{2b-3}{3} - \frac{2b-5}{4}$  \_\_\_\_\_

10] Simplify  $\frac{m-3}{2} + \frac{m-8}{3}$  \_\_\_\_\_

## B: Questions from week eight topic

- 1] Solve for the value of x  $4(x+2) = 2(3x-1)$  \_\_\_\_\_
- 2] Solve for the value of y  $17y - 2(6y+1) = 8$  \_\_\_\_\_
- 3] Remove brackets and Solve  $17y - 2(6y+1) = 8$  \_\_\_\_\_
- 4] What is the positive value of x if  $4x^2 - 50 = 50$ . \_\_\_\_\_
- 5] In the equation  $\frac{4}{6} = \frac{4}{6(x+1)} - \frac{2}{6}$ , the value of x is \_\_\_\_\_
- 6] If  $\frac{10m-8}{6} = 2m+4$ . What is the value of m? \_\_\_\_\_
- 7] Solve the equation  $\frac{m-3}{2} + \frac{m-8}{3} = 0$  \_\_\_\_\_
- 8] Solve the equation  $\frac{3(2x-1)}{4} = \frac{4(x+2)}{3} - 3$  \_\_\_\_\_
- 9] I subtract 8 from a certain number and then I multiply the result by 3. The final answer is 21. Find the original number. \_\_\_\_\_
- 10] I think of a number, I multiply it by 3. I add 1. And divide the sum by 8. If my final answer is 2, what is the number I thought of? \_\_\_\_\_

## SECTION C (essay questions).

**Instruction: Answer all questions from this section and show your workings.**

1. Solve the equation  $\frac{(5e-1)}{(7e+4)} = \frac{1}{2}$
2. I think of a number, I add 18. I then divide the sum by 2. The result is 5 times the original number. Find the original number.

- Students should feel very free to interact with any of the above teachers via WhatsApp, email or phone calls for assistance, enquiries, questions or clarifications.
- Students should solve essay questions in their test and assignment notebooks.

Thank you.

Examiners' contacts:

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