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DepED
DEPARTMENT OF EDUCATION

Learning Activity Sheet for Mathematics

Quarter 3
Lesson
1

Learning Activity Sheet for Mathematics Grade 8
Quarter 3: Lesson 1 (Week 1)
SY 2025-2026

Development Team

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LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	**Quarter:**	3
Lesson No.:	1	**Date:**	
Lesson Title/ Topic:	Linear Equations in One Variables		
Name:		**Grade & Section:**	

I. **Activity No.1:** Expression or Equation

II. **Objective(s):** At the end of the activity, you should be able to differentiate expressions and equations.

III. **Materials Needed:** paper, pen, worksheets

IV. **Instructions:** Identify whether the given is an expression or Equation. Put a heart to the box corresponds to your answer.

	Expression	**Equation**
1. 40 + 56		
2. (34 + 6) + 1		
3. (2 x 50) – 12 = 88		
4. 120 – 14 = 106		
5. 5x + 6		
6. 3x + 8 = 24		
7. Thrice the sum of 8 and 10		
8. Double of 50 is 100		
9. 10 more than half of 8		
10. c = ax + b		

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I. Activity No. 2: Pairing Time!

II. Objective(s): At the end of the activity, you should be able to describe linear equation in one-variable.

III. Materials Needed: paper, pen, worksheets

IV. Instructions: Match each statement to its equation.

Column A	**Column B**
1. 3 added to x is 5.	A. $2x = 8$
2. One-fourth of x is 21.	B. $x + 6 = 21$
3. Six times a number is 48.	C. $7x = 42$
4. Twice a number is 8.	D. $-8 = 2x$
5. The sum of 4x and 3 is 11.	E. $4 – x = 32$
6. A number increased by 6 is 21.	F. $-5 + x = 23$
7. The product of a number and 7 is 42.	G. $\frac{1}{4} x = 21$
8. The sum of -5 and a number is 23.	H. $4x + 3 = 11$
9. A number decreased by 9 is 6.	I. $x + 3 = 5$
10. A number subtracted from 4 is 32.	J. $x – 9 = 6$
	K. $6x = 48$
	L. $x – 9 = -6$
	M. $4x – 3 = 11$
	N. $x + 5 = 23$

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Lesson No.:	1	**Date:**	
Lesson Title/ Topic:	Linear Equations in One Variables		
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I. Activity No. 3: Identify Me!

II. Objective(s): At the end of the activity, you should be able to solve linear equation in one-variable applying the addition and multiplication property of equality.

III. Materials Needed: paper, pen, worksheets

IV. Instructions:

A. Give the property of Equality that is illustrated by each of the following.

1. If n + 1 = 4, then n = 3 _____
2. 10 = 10 _____
3. If 5 = x, then x = 5 _____
4. If x = 7 and y + 2 = x, then 7 = y + 2 _____
5. If 2x = 12, then x = 6 _____
6. If 3x + 7 = 1, then 3x = -6 _____
7. If 16x = -8, then x = ½ _____
8. If x = 2, then 3x = 6 _____
9. If x = 5, then 5 + x = 2x _____
10. If 3x – 12 = 21, then 3x = 33 _____

B. Solve for the unknown value of the linear equation in one-variable by applying the property of equality. Show your solution.

1. 2x – 18 = 44

2. 4x + 11 = 23

3. 7x + 4 = 5x – 18

4. $3x - 6 = 12x + 9$

5. If $3x + 6 = 12$, then $2x + 4 =$

6. $\frac{3x}{5} = \frac{2x-9}{5}$

7. $\frac{2x+1}{2} = \frac{1}{6} + 2x$

8. $3(x + 5) + 4(x + 5) = 21$