

8

Learning Activity Sheet for Mathematics

Quarter 3

Lesson

1

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

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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. $(2 \times 50) - 12 = 88$		
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

1. 3 added to x is 5.
2. One-fourth of x is 21.
3. Six times a number is 48.
4. Twice a number is 8.
5. The sum of $4x$ and 3 is 11.
6. A number increased by 6 is 21.
7. The product of a number and 7 is 42.
8. The sum of -5 and a number is 23.
9. A number decreased by 9 is 6.
10. A number subtracted from 4 is 32.

Column B

A. $2x = 8$
B. $x + 6 = 21$
C. $7x = 42$
D. $-8 = 2x$
E. $4 - x = 32$
F. $-5 + x = 23$
G. $\frac{1}{4}x = 21$
H. $4x + 3 = 11$
I. $x + 3 = 5$
J. $x - 9 = 6$
K. $6x = 48$
L. $x - 9 = -6$
M. $4x - 3 = 11$
N. $x + 5 = 23$

LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	Quarter:	3
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 $x = \frac{1}{2}$

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