



MATHEMATICS 8 QUIZ

Modeling Real-Life Situations Using Algebraic Expressions



Name: _____ Grade & Section: _____ Date: _____

A. WRITE THE ALGEBRAIC EXPRESSION

Direction: Translate each real-life situation into an algebraic expression.

1 A student saves ₱20 every day for d days. Answer: _____



2 Five less than a number n . Answer: _____



3 Three times the number of books b . Answer: _____



4 ₱100 increased by x pesos. Answer: _____



5 A number y divided by 6. Answer: _____



B. CHALLENGE PROBLEMS

Direction: Write an algebraic expression for each situation and show your solution.

1 Maria saves ₱50 every week for w weeks. She already has ₱200 in her savings.

a. Write the algebraic expression.

b. If $w = 6$, find the total amount saved. Show your solution.

Solution: _____

Answer: _____



2 A school canteen sells sandwiches for ₱25 each. A student buys s sandwiches and pays an additional ₱15 for a drink.

a. Write the algebraic expression for the total cost.

b. If $s = 4$, find the total cost. Show your solution.

Solution: _____

Answer: _____

