



Republic of the Philippines
Department of Education
National Capital Region
Schools Division Office of Quezon City
Benigno S. Aquino, Jr. Elementary School

Mathematics 6 Worksheet

Quarter 1 Week 6

Name: _____ Gr./Sec: _____ Teacher: _____

Solves multi-step problems involving multiplication and addition or subtraction of decimals, mixed decimals and whole numbers including money using appropriate problem solving strategies and tools.



Rhoda bought 8 notebooks at ₱48.50 each and a pad paper at ₱30.75. If her money was a 500-peso bill, how much was her change?

- ❖ Asked How much was her change?

- ❖ Given • 8 notebooks at ₱ 48.50 each
 • pad paper at ₱ 30.75
 • 500-peso bill

- ❖ Operation • multiplication
 • addition
 • subtraction

- ❖ Number sentence $200 - \{(8 \times 48.50) + 30.75\} = N$

- ❖ Solution • first operation $8 \times 48.50 = 388$
 • second operation $388 + 30.75 = 418.75$
 • third operation $500 - 418.75 = 81.25$

- ❖ Answer • Rhoda's change is ₱ 81.25

Other examples :

Problem 1: A student assistant earns ₱12.65 an hour and is paid time –and-a-half for overtime (1.5 times her hourly wage for every hour above 40 hours worked in a single week) What would her pay be for a 47.5-hour week?	Problem 2: In the farm, there are 12 hens and 1.75 times more roosters than hens. There are also 2.5 times as much chicks than hens. How many animals are in the farm?
Asked: How much will her pay be? Given: ₱ 12.65 per hour 1.5 per hour above 40 hours 47.5 hours Operation: subtraction, addition and multiplication Number sentence: $[(47.5 - 40) \times (12.65 \times 1.5)] + (12.65 \times 40) = N$ Solution: $47.5 - 40 = 7.5$	Car A and Car B are running in opposite directions. Car A runs 65.5 kph while Car B runs 57.32 kph. How far apart will they be after 2.25 hours? Asked: How far apart will the two cars be? Given: Car A runs 65.5 kph Car B runs 57.32 kph 2.25 hours Operation: multiplication and addition

$12.65 \times 1.5 = 18.975$ $18.975 \times 7.5 = 142.3125$ $12.65 \times 40 = 506$ $142.3125 + 506 = 648.3125$ Answer: Her pay is ₱ 648.3125	Number sentence: $(65.5 \times 2.25) + (57.32 \times 2.25) = N$ Solution: $65.5 \times 2.25 = 147.375$ $57.32 \times 2.25 = 128.97$ $147.375 + 128.97 = 276.32$ Answer: The two cars will be 276.32 km apart.
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➤ Exercise #1 Read, analyze and solve the problems.

Rico saves ₱45.50 on Monday, ₱ 17.25 on Tuesday, ₱ 25.15 on Wednesday, ₱39.75 on Thursday and ₱ 8.65 on Friday. He saved the same amount for three weeks. From these savings, he want to buy a t-shirt which costs ₱ 595. How much more must he save?
Asked:
Given:
Operation:
Number Sentence:
Solution:
Answer:

➤ Exercise #2 Read, analyze and solve.

- 1) The table shows the fare for a journey by taxi.

First 500 meters	₱ 40
Every subsequent 500 meter or part thereof	₱ 13.50

Mrs. Ruiz took a taxi from her home to her office, which was 4.25 km away. How much taxi fare did she have to pay?

- 2) Roy's allowance is ₱ 500 a week. He spent ₱80 for transportation and ₱ 225 for meal and snacks. How much can he save in 4 weeks?

➤ Exercise #3 Read, analyze and solve the problem.

1) A bag costs ₱ 310.65. A necklace costs ₱ 356.95 more than the bag. Ann wants to buy 3 of such necklace. How much money does she have to pay for the 3 necklaces?

2) A truck carrying cement weighs 80.5645 kg. An empty truck weighs 40.4445 kg. The cement can be used to pave a block equally. How much cement do 5 blocks need?