



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 problemss 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 :

<p>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?</p> <p>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: $47.5 - 40 = 7.5$</p>	<p>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?</p> <p>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</p>
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$12.65 \times 1.5 = 18.975$ $18.975 \times 7.5 = 142.3125$ $12.65 \times 40 = 506$ $142.3125 + 506 = 648.3125$ 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?