





**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 :

<b>Problem 1:</b> 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?	<b>Problem 2:</b> 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?
<b>Asked:</b> How much will her pay be? <b>Given:</b> ₱ 12.65 per hour 1.5 per hour above 40 hours 47.5 hours <b>Operation:</b> subtraction, addition and multiplication <b>Number sentence:</b> $[(47.5 - 40) \times (12.65 \times 1.5)] + (12.65 \times 40) = N$ <b>Solution:</b> $47.5 - 40 = 7.5$	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? <b>Asked:</b> How far apart will the two cars be? <b>Given:</b> Car A runs 65.5 kph Car B runs 57.32 kph 2.25 hours <b>Operation:</b> 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?