

YEAR 8 MATHEMATICS WEEK 11 2020 (TERM 1)

Year: 8

Date: Tuesday 14 April 2020

STRAND: NUMBERS

TOPIC: PERCENTAGE (%)

LESSON OUTCOME: At the end of this lesson student(s) should be able to calculate
Money problems.

Instructions: Hi dear Parents/Guardians and students - In this Lesson students are going to calculate money problems and do the questions for **Exercise 1.1**.

*[Note that all the Quizzes/Test and or Assignment will be based on the selected questions for each exercise. These lessons are designed for **one hour per Lesson**.]*

What to do: Do the following selected questions

Exercise 1.1: Question 1 (a, e, i, o, r)

Question 2 (e, m, p)

Solutions: Solutions will be available online via

<https://www.facebook.com/centralschoolemergencyforum/posts/108720557434149>

Topic One: Money and Metric Measures

Money is essential in our everyday living. If you live in a place like Port Vila or Luganville, you will have noticed that money is spent on almost everything you do, eat or drink. It is therefore important that we are able to handle money in order to make our everyday shopping easier.

Example 1 Jenny went shopping for some fruit and vegetables. She spent 80 cents on onions, \$1.50 on potatoes, \$1.85 on apples and 65 cents on carrots. How much did she spend altogether?



Remember: \$1.00 = 100 cents.

Answer: $\$0.80 + \$1.50 + \$1.85 + \0.65
 $= \$4.80$

Example 2 Nicky entered a Supermarket with \$18.47 in his wallet. He bought some groceries and drinks. Upon arriving home, he found that he had only \$4.07 left. How much did he spend?

Answer: $\$18.47 - \4.07
 $= \$14.40$

Example 3 Three boys went shopping. Together they bought 3 packets of chips at 180vt per packet, 4kg of grapes at 380vt per kg, 2 litres of orange juice at 240vt per litre and half a dozen eggs at 320vt per dozen.

(a) How much did they spent on everything?

Answer: $3 \text{ pkts} \times 180\text{vt} = 540$
 $4 \text{ kg} \times 380\text{vt} = 1520$
 $2 \text{ l} \times 240\text{vt} = 480$
 $\frac{1}{2} \text{ doz} \times 320\text{vt} = 160$
 $= 2700\text{vt}$

We multiply the number of items bought by the cost of one item.

Then add the products to find the total cost.

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- (b) The three boys were to share the cost equally amongst themselves. How much should each boy pay?

Answer: $2700\text{vt} \div 3 \text{ boys} = 900\text{vt}$
 \therefore each boy should pay 900vt

Exercise 1.1

1. Evaluate the following amounts:

- | | |
|-----------------------------------|---------------------------------|
| (a) $\$25.00 + \36.00 | (j) $\$5.14 + \$8.43 + \$19.46$ |
| (b) $\$367.00 + \45.67 | (k) $\$450 - \36.60 |
| (c) $\$27.51 + \5.00 | (l) $\$27.00 - \5.55 |
| (d) $\$41.36 + \0.56 | (m) $\$15.30 - \6.76 |
| (e) $\$13.40 + \135.67 | (n) $\$105.75 - \57.66 |
| (f) $\$89.96 + \50.00 | (o) $\$127.60 - \18.47 |
| (g) $\$2.80 + \$3.75 + \$3.34$ | (p) $\$23.49 - \18.54 |
| (h) $\$15.24 + \$28.30 + \$32.43$ | (q) $\$246.64 - \85.00 |
| (i) $\$3.56 + \$15.42 + \$13.47$ | (r) $\$38.43 - \9.54 |

2. Evaluate the following amounts:

- | | | |
|--------------------------|--------------------------|------------------------------|
| (a) $\$24.30 \times 8$ | (f) $\$114.25 \times 18$ | (k) $\$584.50 \div 9$ |
| (b) $\$5.37 \times 7$ | (g) $\$56.45 \times 125$ | (l) $\$126.00 \div 5$ |
| (c) $\$58.45 \times 6$ | (h) $\$38.45 \div 4$ | (m) Divide $\$3847.50$ by 32 |
| (d) $\$14.35 \times 34$ | (i) $\$384.35 \times 42$ | (n) Divide $\$584.74$ by 18 |
| (e) $\$106.50 \times 27$ | (j) $\$58.45 \div 8$ | (o) $\frac{\$384.74}{9}$ |
| (p) $\frac{\$126.50}{7}$ | | |

Exercise 1.2

1. What is the cost of one item in the following list?

| Item | Price |
|----------------------|----------|
| 3 baskets of taro | 900 vt |
| 5 baskets of yams | 2200 vt |
| 4 baskets of kumala | 1200 vt |
| 2 hands of bananas | 1140 vt |
| 12 pamplemousses | 14400 vt |
| 8 breadfruits | 640 vt |
| 3 parcels of cabbage | 390 vt |
| 6 baskets of manioc | 1320 vt |
| 9 mangoes | 270 vt |