

YEAR 8 MATHEMATICS WEEK 11 2020 (TERM 1)

Year: 8

Date: Wednesday 15 April 2020

STRAND: NUMBERS

TOPIC: PERCENTAGE (%)

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

Instructions: Hi dear Parents/Guardians and students - In this Lesson students are going to calculate money problems and do the questions for **Exercise 1.2 and 1.3**.

*[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 1.2: Q1, Q5, Q12, Q15

Exercise 1.3: Q8, Q10, Q11

Solutions: Solutions will be available online via

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

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

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2. Copy the table below and calculate the cost of each item.

Item	Price ratio	Amount	Cost
beef	450 vt/kg	2.5 kg	??
lamb	580 vt/kg	1.5 kg	??
potatoes	130 vt/kg	15 kg	??
beans	150 vt/tin	8 tins	??
sugar	130 vt/bag	3 bags	??

3. How many packets of biscuits @ 125vt can I buy with 2500vt?

@ is the sign 'at'. It means 'when the cost of one is'.



4. If 4 balls cost 240 vatu, what will be the cost of:
(a) 8 balls (b) 7 balls
5. John bought:
3 bars of soap @ 30 vt
2 litres of kerosene @ 70 vt
a shirt @ 630 vt
3 bottles of lemonade @ 85 vt
He pays with a 1000vt and a 500vt note.
How much change does he get?
6. Charles earned 7500vt for his wages. He spent 20% of his earnings at the village shop. How many vatu does he still have?
7. John buys a shirt for 420vt, 2.5 kilos of meat at 140vt per kg, 3 tins of fish @ 70vt and 4 litres of kerosene at 65vt per litre. How much is his bill and how much change will he receive from 2000 vatu?
8. Bob saved 900 vatu for the school 'Bring and Buy'. He spent 60% of his cash on food and drinks for lunch.
(a) How much did he spend for his lunch?
(b) How much did he have left for other things?

9. Mr. Tari is a very good customer and the shopkeeper always gives him 5% discount. Last month he bought:
- | | |
|---------------------------------|-----------------------------|
| 5 kilos of meat @ 200 vt | 3 packets of sugar @ 140 vt |
| A 25 kg bag of rice for 2200 vt | A gas bottle for 2500 vt |
- (a) What is the total cost?
(b) What was the cost after the discount?
10. Mrs. Leiwa bought a dress at Jojo's Store. Mr. Jojo offers her a 10% discount. The cost of the dress is normally 1000 vt.
- (a) How much did Mrs. Leiwa pay for the dress?
(b) What was her change from 1000 vatu?
(c) What was her change as a percentage of 1000 vt?
11. Mr. Bujick went to the village shop. He bought:
1kg of rice for 150 vt, a tin of Santo meat for 150 vt and 2 packets of noodles @ 70 vt.
- (a) What was his total cost?
(b) How much change did he get from 500 vt?
12. Joe Kalo started work and earned his first monthly salary of 25000 vt. He decided to spend:
- 20% of his money on food
15 % of his on clothes
10 % on what he needed at home.
- He decided to put the rest in the Bank.
- (a) How much did he spend on food?
(b) How much did he spend on clothes?
(c) How much did he spend on things for his home?
(d) How much money did he put in the bank?
13. The village baker cooked 30 loaves and sold them all at 30 vt each.
- (a) How much money did he receive?
(b) If all the items required to bake the bread cost 1070 vatu, did he make a profit or a loss?
(c) What would be a fair price for one loaf?
14. If oranges cost 30 vt each, how many can I buy with 280 vt?

15. Mr. Kalo went to the shop and bought a shirt for 900 vt. He also bought 3 loaves for 40 vt each and a tin of fish for 140 vt. On his way home he stopped to buy 4 bottles of Pepsi at 85 vt each.
- (a) How much money did he spend altogether?
 - (b) Calculate his change from 5000 vt.
 - (c) What percentage of his money did he spend?
16. Find 15% of 55% of 2000 vt.

Exercise 1.3

1. What would the cost of 44 articles amount to if each article cost \$5.34?
2. If 5kg of steak cost \$16.65, what is the cost per kg?
3. Butter costs 42 cents per gram, what is the cost per kg?
4. Find the cost of travelling 230 miles if the cost per mile is \$4.35.
5. If the cost per kilometre is \$1.33, how many complete kilometres could be travelled for an expenditure of \$11.97?
6. Find the difference in cost of employing 12 men at \$34.50 per week and 14 women at \$29.75 per week.
7. Bule earns \$1.40 an hour. If he works 8 hours each day, how much would he earn in two weeks?
8. A soccer club purchases a dozen balls at \$3.85 each and 20 jerseys at \$2.42 each. Find the total cost.
9. If 32 yards of cloth are purchased at \$2.44 per yard, what change would be received from a cheque of \$100.000?
10. If a manager employs 28 people at a wage rate of \$22.50 per worker, per week and another 12 at a wage rate of \$24.75 per worker, per week, what is the total wage bill?
11. Find the total cost of 24 articles at \$1.35 each, 12 at \$2.73 each and 14 at \$1.04 each.