

YEAR 8 MATHEMATICS WEEK 10 2020 (TERM 1)

Year: 8

Date: Wednesday 8 April 2020

STRAND: NUMBERS

TOPIC: PERCENTAGE (%)

LESSON OUTCOME: At the end of this lesson student(s) should be able to use % with Money.

Instructions: Hi dear Parents/Guardians and students - In this Lesson students are going to use % with money and do the questions for **Exercise 4.3 and 4.4.**

[*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 4.3

Exercise 4.4 (All)

Solutions: Solutions will be available online via

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

Using Percentages with Money

A **discount** is an amount of money taken off the full price or total. The discount is usually written as a percentage.

Example: A CD player is priced at 60000vt. The store is offering a 15% discount. Find a. the discount and b. the new selling price.

a. 15% of 60000

$$= \frac{15}{100} \times \frac{60000}{1}$$
$$= 9000\text{vt}$$

b. New price = Marked price - discount

$$= 60000 - 9000$$
$$= 51000\text{vt}$$

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EXERCISE 4.3

Copy and complete the table to find the sale price.

Market Price	% Discount	Discount	Sale Price
5000vt	25%		
2500vt	30%		
600vt	40%		
12000vt	20%		
11500vt	10%		
8500vt	12%		
960vt	8%		
880vt	12.5%		
6600vt	$7\frac{1}{2}\%$		
4500vt	18%		
19000vt	15%		
9000vt	18%		
1000vt	$22\frac{3}{4}\%$		
3000vt	3.7%		

A commission is a payment received by a salesperson for selling goods or services. It is often calculated as a percentage of the price of the goods or services being sold.

Example

Annie sold 17000vt worth of clothes one week. She receives 15% commission from the owner of the store. How much money did she earn?

Answer:

15% of 17000vt

$$\begin{aligned} &= \frac{15}{100} \times \frac{17000}{1} \\ &= 2550\text{vt} \end{aligned}$$

EXERCISE 4.4

1. Calculate the value of the commission on each of the following sales:

	Total Sales	Commission
a.	20000vt	5%
b.	650000vt	10%
c.	3000vt	15%
d.	15500vt	22%
e.	170000vt	13.5%
f.	90000vt	8.6%
g.	6000vt	$12\frac{1}{2}\%$
h.	2300vt	$7\frac{1}{2}\%$
i.	1600000vt	$3\frac{1}{4}\%$
j.	556000vt	$2\frac{3}{5}\%$

2. Roman, a real-estate agent, earns 3% commission on the first \$80 000 and 2% on the rest. If he made a sale worth \$156 500, what did he earn?
3. You are offered a wage of 40 000vt per week or a 12% commission on all sales. If you are expected to sell 35 000vt of goods a week, which offer would you take? What would your weekly commission be?