LESSON PLAN ON

WEEK 5

Name of Teacher: Peter Ekeocha

Class: Year 7 & 8

Average age of learners: 11- 12years

Gender: Mixed

Subject: Mathematics

Topic: Percentage

Duration: 40mins

Date: 5th - 9th February, 2024

CONTENT:

RATIONALE: The knowledge acquired will enable the learners to understand the concept of percentage.

PERFORMANCE OBJECTIVES: By the end of the lesson, given an infographic of percentage, chart of concept mapping as well as videos displaying of percentage, the learners should be able to:

1. **Cognitive Domain (Minds-on):**
2. Solve correctly, percentage.
3. Identify ways of solving percentage increase and percentage decrease respectively.
4. Differentiate by solving profit and loss percentage.
5. **Affective Domain (Hearts-on):**
6. Show willingness in the lesson by analyzing correctly the use of percentage.
7. Appreciate the lesson by answering the teacher’s questions with keen interest.
8. **Psychomotor domain (Hands-on)**
9. Use infographic to vividly represent the percentage, without any mistake.
10. Implore a concept map to show percentage at a glance without mistakes.
11. **Interpersonal domain:** (Learners’ ability to interact with others and share knowledge):
12. Discuss elaborately in groups and share knowledge and experiences acquired.

**ENTRY/ENTERING BEHAVIOUR:** Learners are familiar with percentage.

**INSTRUCTIONAL MATERIALS:** Laptop/desktop, projector, videos, printed images, charts, marker, whiteboard and coloured cardboard paper.

**INSTRUCTIONAL PROCEDURE:** Check table below.

**TABLE: INSTRUCTIONAL PROCEDURE**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Duration** | **Content Development** | **Teaching Strategies** | **Instructional Strategies** | **Specific Instructional Materials in Use** | **Teacher’s Performance Activities** | **Students’ Performance Activity** | **Learning Point** |
| 5 mins | Asking Provocative questions | Set Induction | Brainstorming | Marker, Whiteboard | The teacher divides the learners into groups of three members each to brainstorm and identify different parts | Learners answer the probing questions that the teacher has given them after brainstorming. | Learners have listed the approach of solving percentage. Methods of solving percentage has been learnt |
| 14mins | Identification of percentage | Use of examples and illustrations, planned repetition, stimulus variation, questioning and reinforcement. |  |  | The teacher uses a slide to show an infographic of the percentage, plays videos showing the different ways of solving percentage | The learners identify the ways of solving percentage, pay attention to the teacher, generate new ideas and integrate them with other concepts | The learners have learnt how to Identify percentage. |
| 8mins | Differentiating between percentage |  |  |  |  |  |  |
| 8mins | Requirements for percentage. | Use of examples and illustrations | Role-play, brainstorming | Coloured cardboard papers |  |  |  |

**EVALUATION:** The teacher evaluates the lesson using the following questions

1. Identify the percentage.
2. Identify the various ways of solving percentage.
3. Differentiate by solving percentage increase and percentage decrease.
4. Analyse ways of solving percentage.
5. Using a concept mapping, show percentage at a glance.

**CLOSURE:** The teacher summarizes the lesson by guiding the learners, by going through the main points of the lesson, discussing the percentage. The teacher gives the learners some time to reflect on what they have learnt, ask questions and as well take corrections.

**CLASS FUN:**

1. Express to percentage
2. A vehicle costing ₦336,000 was sold at a loss of 13%, find the selling price of the article.
3. Express 125% as fraction
4. A book was bought for ₦522.00 and sold for ₦610.74. What is the percentage profit?
5. Aja bought 96tins of milk for ₦3,360.00 and sold them at ₦39.00 each. Calculate his profit on the 96tins of milk.

**ASSIGNMENT (HOMEWORK):**

Man Mathematics textbook for Junior Secondary School 2.

1. Page 41 Exercise A1 question 1 to 5
2. Page 43 Exercise A2 question 12 to 19

**REFLECTION ON LESSON:**

**CONTENT**

**. Identification of percentage**

**. Percentage increase and percentage decrease**

**. Profit and loss percentage**

**Percentage**

Percentage is another form of fraction or ratio or proportion.

It is a part of 100. And it is denoted by %

**Percentage increase and percentage decrease**

Example 1

A man`s wages increased from #6250 to #7125 per month.

1. Find the increase per cent.

Solution

1. Increased wage= #7125

= #875

%increase =

%increase =

= 0.14

= 14%

Example2

Find the sum of increase by 24% of #720.00 and decrease by 18% of #430.00

Solution

Increase =

Decrease =

= 0.18

= #77.4

Sum of increase and decrease =

= #250.2

**Profit and loss percentage**

Example3

A man bought 20dozens of eggs at #90.00 a dozen and sold them at #120.00 a dozen. Find his gain percent.

Solution

Cost price (C.P) = 20

Selling price (S.P) = 20 2400.00

Gain = Selling price

G= S.P

Gain = #2400.00

= #600

Gain

Example4

Ladi bought a dress for #2,500.00 and sold it to Awa at a profit of 20How much did Awa pay to Ladi?

Solution

C.P = #2,500.00

P = 20

S.P =?

20% =

= #500

Profit=Selling price

#500 = Selling price

Selling price = #2,500#500

= #3,000

Example5

Ifere sold an article for 210 and made a profit of 5%.

1. Find the cost price of the article

Solution

Cost price = $210 profit = 5%

5% =

= $10.5

1. Profit =Selling price

Cost price = Profit selling price

Cost price = $10.5

= $220.5

