

3.20.2019

WORD PROBLEMS ON WEIGHT INVOLVING KG AND G

Subject

Mathematics

Prepared By

[Instructor Name]

Grade Level

4

Overview

This lesson plan covers teaching content for;

1. Word problems on weight involving kg and g.
2. Quantitative reasoning on weight.

Objectives

Students should be able to;

1. Solve word problems on weight.
2. Solve quantitative aptitude involving weight.

Activity Starter/Instruction

1. Explain to your pupils that we have ways of counting all kinds of things
2. In pairs or small groups, have pupils try to think of the units that are used for liquids, weight and length. Share out and discuss.
3. Explain that you will be focusing on weight using kilogram and gram in the lesson.

Guided Practice

Day 2/ Lesson 2: 15 Mins

1. Go over the definition of gram again.
2. Measure the bag of rice and groundnut using the weighing scale.
3. Let them add the two weights

Teacher Guide

Day 1/ Lesson 1: 15 Mins

1. Go over the definition of weight.
2. Ask the pupils what they understand by gram and kilogram.
3. Explain that a gram is a metric unit of mass equal to one thousandth of a kilogram.
4. Ask the pupils to give examples of everyday things that can be measured using grams. Examples include Eggs, gold, silver, chocolate.
5. Let them know they also have weight and can be measured using a weighing scale

Guided Practice

Day 3/ Lesson 3: 15 Mins

1. Explain what kilogram is and how it relates to gram.
2. Let the pupils know that gram can be converted to kilogram. $1\text{kg} = 1000\text{g}$.

Materials Required

- A weighing scale.
- A bag of rice
- A bag of groundnut

Additional Resources

- <https://slideplayer.com/slide/9137394/>
- <https://www.education.com/download/lesson-plan/solving-word-problems-involving-mass-volume/solving-word-problems-involving-mass-volume.pdf>
- <https://sciencing.com/lesson-ideas-teach-grams-kilograms-8695949.html>
- <https://www.khanacademy.org/math/cc-fifth-grade-math/cc-5th-measurement-topic/cc-5th-unit-conversion/a/metric-units-of-mass-review>

Additional Notes

-
4. Let the pupils measure their weight on the weighing scale.
 5. With the pupils, find the total weight of the pupils.

-
3. Solve examples on conversion of gram to kilogram and vice versa.
 4. Let the pupil convert their individual weights measured in the previous lesson.

Guided Practice

Day 4/ Lesson 4: 15 Mins

1. Continue with the conversion.
2. Convert the total weight of the pupils.
3. Introduce them to words problems involving gram and kilogram
4. Solve examples with the pupils.

Assessment Activity

Ask the pupils how many grams makes a kilogram.
Give them conversion questions to solve.

Assessment Activity

Assess the pupils on word problems.

Summary

2. Ask for volunteers to share their answers to the problems assigned.
 3. As the problems are reviewed in front of the class, have the students check their answers for accuracy.
-