

MOTHELCARE PREPARATORY SCHOOLS

HOLIDAY WORK – WEEK TWO

P.6 MATHEMATICS

Name: _____ Stream: _____

1. Arrange the following fractions in descending order.

(a) $\frac{3}{8}$, $\frac{4}{5}$, $\frac{1}{2}$

(b) Workout: $\frac{5}{6} - \frac{3}{4} + \frac{1}{3}$

2.a) If $\frac{1}{5}$ of a sum of money is added to $\frac{1}{4}$ of a sum of the same money, the result is sh. 45,000. What is $\frac{1}{2}$ of the sum of money?

- b) A container holds 24kg of rice. One-eighth of it is used and later 6kg more is used. What fraction of the container is now full?
- 3.a) In a class of 420 pupils, the ratio of boys to girls is 3:4. How many more girls are there than boys?
- b) In a school, the ratio of female teachers to male teachers is 6:4. If there are 300 male teachers, how many more female than male teachers are in the school?
- 4.a) Twenty cakes cost sh. 18,000. How many cakes can one buy with sh. 45,000?

b) Five people weigh 225kg. How many kg will 18 similar sized people weigh?

5.a) Express $\frac{3}{5}$ as a percentage.

b) Express 800cm^3 as a percentage of one litre.

6.a) The government wanted to increase the COVID-19 vaccine from 840,000 dozen to a certain number in the ratio of 12:7. How many dozens did the government bring?

b) After a reduction of 10% in price, an article costs sh. 90,000.
What was its original price?

7.a) After selling his goat, Abdul made a profit of 15%. If the cost price was sh.80,000, what was his selling price?

b) Asana bought a machine at sh. 240,000 and sold it as sh. 288,000. What was her percentage profit?

8.a) A discount of 20% saved me sh.8000 when I bought a pair of shoes. How much did I actually pay?

b) Oluka put sh. 240,000 in the Post Office Savings Bank on 10th March, 2000. How much money did Oluka get after 10 March, 2003 at 10% per year?

9.a) After what time will sh. 420,000 amount to sh.504,000 at 10% p.a?

b) Etengu, Wamono and Ojambo shared a certain amount of money. Etengu got $\frac{2}{3}$ and Wamono got $\frac{1}{4}$. If Ojambo got sh. 143,000, how much more did Etengu get than Wamono?

END