

GRADE 6 MID TERM 2 MAY 2022

MATHEMATICS



TARGETER WINGS
MONITORING LEARNER'S PROGRESS
GRADE 6 - 2022
MATHEMATICS



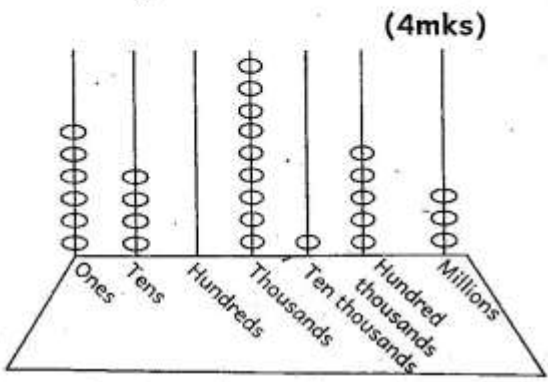
Name

School name

The teacher to fill the grid below after marking the learner's work.

Total - 50mks			
Assessment Rubric			
Exceeds Expectations (48-50)	Meets Expectations (25 - 47)	Approaches Expectations (11 - 24)	Below Expectations (0 - 10)

1. The figure below shows an abacus (4mks)



- a) What is the number represented in the abacus written in words?

- b) How many groups of hundreds are there in the total value of the digit in the hundred thousands place value? _____
- c) What is the total value of the digit in the place value of thousands? _____

d) What is the smallest seven digit number that can be formed by the digits represented in the abacus when they are rearranged? _____

2. Order the following numbers in descending order written in symbols: (2mks)
- (i) Six hundred and forty eight thousand two hundred and fifty seven
 - (ii) Six hundred and eighty four thousand five hundred and seventy two
 - (iii) Six hundred and eighty five thousand seven hundred and twenty four
 - (iv) Six hundred and seventy two thousand eight hundred and fifty four.
- _____

3. Round off the number 86976 and 34949 to the nearest hundred and find their difference (2mks)

4.a) What is the square of 99? (1mk)

b) A square garden has an area of $7225m^2$. What is the length of each side? _____ (1mk)

5. What is the next number in the patterns below? (3mks)

a) 2, 3, 6, 10, 17, 28, _____

b) 57, 55, 52, 47, 40, 29, _____

c) 6, 12, 24, 48, 96, _____

6.a) Three street lights E, F and G chime at different intervals as follows:

(i) Light E after 12minutes

(ii) Light F after 18minutes

(iii) Light G after 27minutes

After how many minutes will the three lights chime together again if they chime together now?

_____ (1mk)

b) What is the GCD of 120 and 180? _____ (1mk)

7. What is the value of (5mks)

a) $30 + 42 \div 6 \times 2 - 24$

b) $\frac{7}{8} + \frac{1}{4} + \frac{5}{6}$

c) $12 - 3\frac{3}{4}$

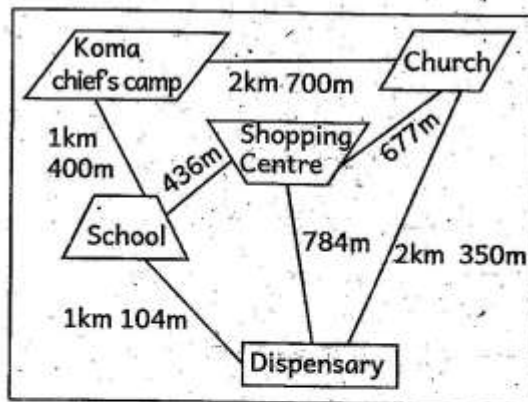
d) In a class $\frac{3}{7}$ of the learners are girls and the rest are boys. What is the fraction representing the number of boys? _____

e) In a factory $\frac{2}{5}$ of the products are sold locally while the rest are exported. What is the difference between the exports and those sold locally? _____

8. a) In the number 136.096, what is the place value of digit 6? (1mk)

b) Kamau had a barbed wire of length 110.995m. He used 91.498m to fence his flower garden. How many metres of barbed wire remained? _____ (1mk)

9. The map below shows social amenities in a community (4mks)

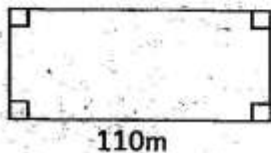


a) Koech walked from Koma chief's camp to dispensary through the church. What distance did he cover? _____

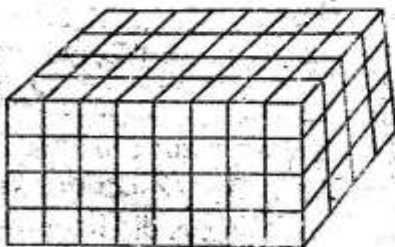
b) Convert the distance someone would cover from the church to school through the dispensary in metres _____

- c) How much more distance would one cover from church to school through chief's camp and from church to school through the dispensary? _____
- d) A lorry transported sand from chief's camp to church and made 6 trips. What distance did it cover altogether? _____

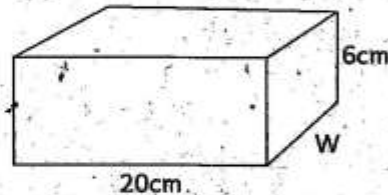
10. A rectangular playground is 110m long. It has an area of 7700m^2



- a) What is the width of the playground? (1mk)
- _____
- b) What is the perimeter of the playground? _____ (1mk)
- c) Grade 6 learners in Premier Care school ran round the playground 3 times. What distance did they cover altogether? (1mk)
- _____
- 11.a) How many cubes are used to the stack below? (1mk)



- b) A rectangular tank measures 10m by 8m by 4m. What is its volume? _____ (1mk)
- c) The volume of a cuboid is 1920cm^3 . Its length is 20cm and the height is 6cm



What is its width? (2mks)

- 12.a) Mary bought 5 litres of pineapple juice, 3 litres of orange juice and 4.5 litres of passion juice. How much juice did she buy in millilitres? _____ (1mk)
- b) What is value of $123\text{L} - 98\text{L} 506\text{ml}$? (1mk)
- _____
- 13.a) A motorbike rider carried one bag of onion of mass $98\text{kg} 300\text{g}$ and a bag of cabbages of mass $52\text{kg} 850\text{g}$. What was the total mass carried by the motorbike if he had a mass of $76\text{kg} 100\text{g}$? _____ (1mk)

- b) In a farm there were four bulls. Each bull had a mass of $200\text{kg} 360\text{g}$. What was the total mass of the bulls? (1mk)

c) What is $12 \overline{) 380\text{kg} 40\text{g}}$? (1mk)

- 14.a) Musa woke up at half past six in the morning. What time did he wake up in a.m and p.m? (1mk)
- _____

b) Work out: (1mk)

Mins	Secs
36	42
- 18	56

c) Kioko took 10 minutes 15 seconds to cover 1 kilometre. How long will it take him to cover 6km in minutes and seconds? (1mk)

15. Below is a price list in a kiosk (2mks)

Item	Price (sh)
A loaf of bread	60
1kg maize flour	120
A packet of salt	35
A packet of tea leaves	75
A packet of milk	50

Wanyika was sent to buy the following items

2 loaves of bread

A packet of salt

A packet of tea leaves

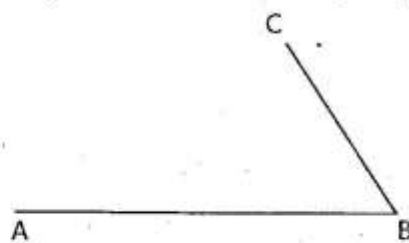
2 packets of milk

a) How much money did she pay for the items? _____

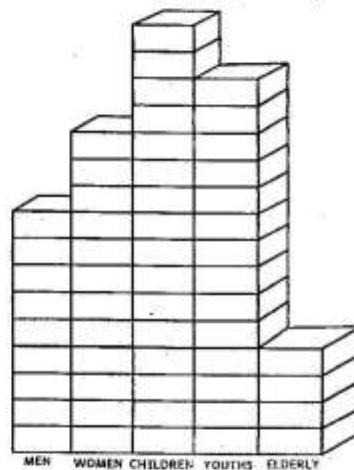
b) If she had sh. 500 note, how much balance did she get?

16.a) In the space provided, draw perpendicular lines (1mk)

b) Using a protractor measure angle ABC. (1mk)



17. The piled data below shows number of different people who participated in a party. Each matchbox represents 2 people. (3mks)



a) How many children were there in the party? _____

b) How many more women than the elderly were there in the party?

c) How many people were there altogether? _____

18.a) Solve the equation $16w - 24 = 40$
_____ (1mk)

b) A farmer had m turkeys in a farm if he added 12 more turkeys, how many turkeys did he have in the farm? _____ (1mk)

Total = 50marks