

DISTINCTION GRADE 6 (SIX) KPSEA ASSESSMENT

MONITORING LEARNER'S PROGRESS

GRADE SIX - 2023

6

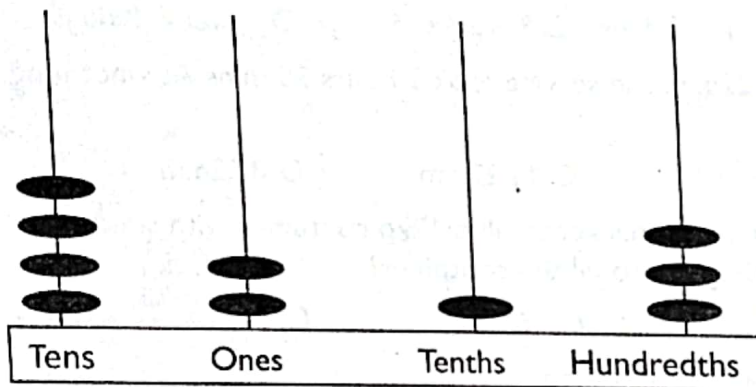
PREMIER

002

MATHEMATICS

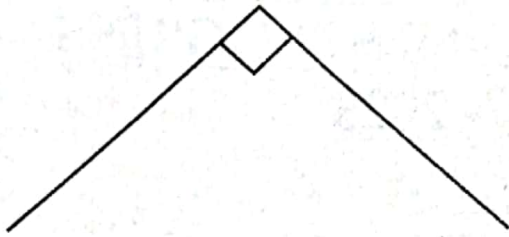
Time: 1 hr 20 min

- Four million, six hundred and ninety six thousand, nine hundred and six children were vaccinated against measles. How many children were vaccinated in figures?
A. 4069696 B. 4966906 C. 4696906 D. 4699606
- Ali's height is 167.234 centimetres. Write the place value of digit 4 in Ali's height.
A. Ones B. Tenths C. Hundredths D. Thousandths
- Kibet and Moi are brothers. Moi is 12 years older than Kibet. What is Kibet's age in Roman numerals if Moi is 48 years old?
A. XII B. XLVIII C. LX D. XXXVI
- Which number is shown on the abacus?



- A. 4 213 B. 4.213 C. 42.13 D. 4.231
- Wambui, Sannai, Juma and Ndiema rounded off 3556 to the nearest hundreds. Their answers were as follows:
SANNAI – 3556,
JUMA – 3500,
WAMBUI – 3600,
NDIEMA – 3550
Who got it correct?
A. Wambui B. Juma C. Sannai D. Ndiema
- Dut bought 18 loaves of bread and 30 bottles of soda during his birthday party. This was shared equally among his friends. Find the largest possible number of his friends.
A. 90
B. 30
C. 6
D. 3

7. What name is given to the following angle?



- A. Acute angle B. Obtuse angle C. Right angle D. Reflex angle

8. Mwadime ate $9\frac{2}{3}$ of all the bananas he was given. What fraction of the bananas did Mwadime eat as an improper fraction?

- A. $\frac{29}{3}$ B. $\frac{27}{3}$ C. $\frac{3}{29}$ D. $\frac{3}{27}$

9. Work out:

<u>Weeks</u>	<u>Days</u>
1	6
x	3

- A. 3 weeks 18 days B. 5 weeks 4 days C. 3 weeks 4 days D. 1 week 9 days

10. A church service ended at 11.22a.m. The service took 2 hours 30 mins. At what time did it start?

- A. 9.52a.m B. 1.22p.m C. 11.22a.m D. 8.52a.m

11. Grade six learners used a quarter kg packet to fill a 12kg container with sand. How many quarter kg packets did they use to fill the container?

- A. 4 B. 12 C. 16 D. 48

12. Njogu bought the following items from a shop:

2kg-packet of sugar @ sh.300 per kilogram

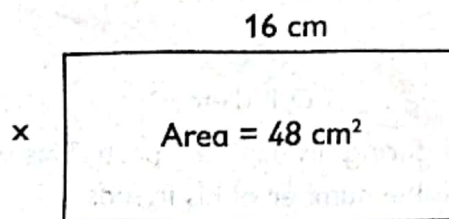
2-2kg packets of rice for sh.728

1kg packet of tea leaves at sh. 324 per kg.

How much did he pay for the items?

- A. Sh. 2218 B. Sh. 1652 C. Sh. 1490 D. Sh. 1190

13. Find the value of x



- A. 3cm B. 8cm C. 16cm D. 48cm

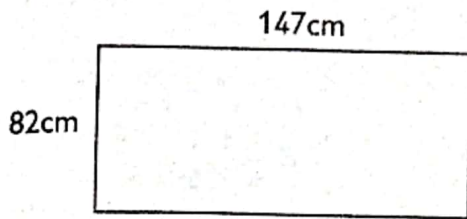
14. Maimuna bought 6r mangoes at the market. On her way home, she bought 2 more mangoes. How many mangoes did Maimuna buy that day?

- A. 6r B. 6r + 2 C. 12r D. 6r - 2

15. A school received 100 litres of disinfectant. How many millilitres did the school receive?

- A. 100ml B. 1000ml C. 10000ml D. 100000ml

16. Mark's seedbed is in the shape shown below:



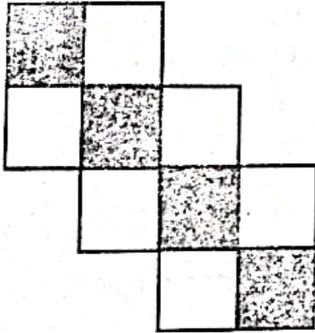
Calculate the area of the seedbed in square centimetres.

- A. 229 B. 12054 C. 458 D. 3854

17. Mr. Chumo asked his learners to work out squares of fractions. What answer did they get for $\left(\frac{1}{7}\right)^2$?

- A. $\frac{2}{49}$ B. $\frac{1}{49}$ C. $\frac{1}{14}$ D. $\frac{12}{72}$

18. Which fraction is shaded in the figure below?



- A. $\frac{4}{12}$ B. $\frac{4}{10}$ C. 4 D. 6

19. There were 2436 guests at a wedding ceremony. If all the 12 serving points served equal number of guests, how many guests were served at each point?

- A. 2436 B. 203 C. 23 D. 2003

20. Calculate the next number in the pattern below: 9, 11, 15, 23, _____

- A. 39 B. 31 C. 27 D. 25

21. Subtract $2\frac{1}{4}$ from 6

- A. $4\frac{3}{4}$ B. $4\frac{1}{4}$ C. $3\frac{3}{4}$ D. 4

22. A learner drew the following and shaded it as shown:



What is the percentage of the unshaded part?

- A. 40% B. 50% C. 30% D. 60%

23. A tailor cut a piece of cloth into three pieces : 12cm, 0.7cm and 0.09cm. What was the size of the piece of cloth?

- A. 38.0cm B. 0.92 C. 12.16 D. 12.79

24. Arrange the following fractions in descending order:

$$\frac{1}{3}, \frac{1}{9}, \frac{1}{4}, \frac{1}{6}$$

A. $\frac{1}{3}, \frac{1}{4}, \frac{1}{6}, \frac{1}{9}$

B. $\frac{1}{9}, \frac{1}{4}, \frac{1}{6}, \frac{1}{3}$

C. $\frac{1}{9}, \frac{1}{6}, \frac{1}{4}, \frac{1}{3}$

D. $\frac{1}{4}, \frac{1}{3}, \frac{1}{6}, \frac{1}{9}$

25. Find x in $7x - 4x = 42$

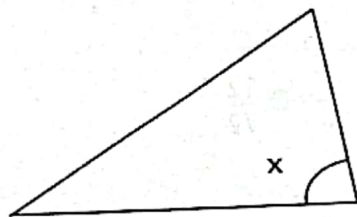
A. 3

B. 5

C. 14

D. 12

26. Grade six learners used a protractor to measure the following angle. Measure the size of the angle X?



A. 102°

B. 80°

C. 78°

D. 60°

27. Work out:

$$7 \overline{) 15 \text{ L } \quad 253 \text{ ML}}$$

A. 2L 36ML

B. 7L 179ML

C. 3L 36ML

D. 2L 179ML

The table below shows the items Tom bought from a shop. Use it to answer questions 28 and 29

ITEM	PRICE
1kg of rice	Sh. 341
1kg of sugar	Sh. 265
2kg of flour	Sh. 270

28. How much did she pay for the items?

A. Sh. 876

B. Sh. 741

C. Sh. 270

D. Sh. 1156

29. If he paid this using sh.1000, what was his balance?

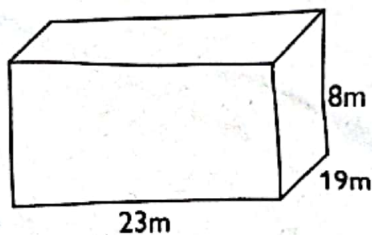
A. Sh. 844

B. Sh. 124

C. Sh. 259

D. 730

30. Calculate the volume of the following tank.



A. 50

B. 3496

C. 2496

D. 3396