

# DISTINCTION GRADE 6 (SIX) KPSEA ASSESSMENT

## MONITORING LEARNER'S PROGRESS

### GRADE SIX - 2023

**6**  
PREMIER

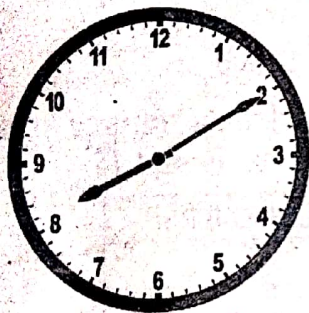


001

## MATHEMATICS

Time: 1 hr 20 min

1. Six hundred and forty seven thousand, five hundred and twenty three bedsheets were sold by a certain supermarket in one month. How many bedsheets were sold by the supermarket in symbols?  
A. 647423                      B. 67423                      C. 647520                      D. 647523
2. What is 61759 rounded off to the nearest thousands?  
A. 62000                      B. 1000                      C. 61000                      D. 6200
3. Asuka noticed the number 7189 is not divisible by 10. What is the smallest number that must be subtracted from this number to make it divisible by 10?  
A. 9                      B. 1                      C. 189                      D. 4
4. Grade 6 learners went for a tour at the time shown below. What time was it?



- A. eight minutes past two
- B. ten minutes past eight
- C. ten minutes to eight
- D. eight minutes to two

5. Which of the following is a pair of factors of 51?  
A.  $2 \times 26$                       B.  $8 \times 9$                       C.  $17 \times 3$                       D.  $19 \times 3$
6. When Juma joined grade 6, he realized that there were three beautiful cards written on 12, 8 and 18. What is the greatest common divisor of the three numbers?  
A. 72                      B. 2                      C. 18                      D. 4
7. Emna carried 13.836 litres of milk to the market. What is the place value of digit 8 in the number?  
A. Tenths                      B. ones                      C. tens                      D. hundredths
8. Find the area of the figure below



8 cm

4 cm

- A.  $64 \text{ cm}^2$
- B.  $12 \text{ cm}^2$
- C.  $32 \text{ cm}^2$
- D.  $24 \text{ cm}^2$



9. Sixty three grade six learners carried 12 books each to the headteacher's office. How many books were carried by the learners?

- A. 63                      B. 7560                      C. 756                      D. 75

10. Arrange the following numbers from the largest to the smallest: 4.15, 5.14, 4.51, 5.41

- A. 4.15, 4.51, 5.14, 5.41                      B. 5.14, 5.41, 4.51, 4.15  
C. 5.41, 5.14, 4.51, 4.15                      D. 5.41, 5.41, 4.51, 4.51

11. Work out:

$$\begin{array}{r} \text{l} \qquad \text{ml} \\ 18 \qquad 478 \\ - 12 \qquad 315 \\ \hline \end{array}$$

- A. 5 L 163ml                      B. 7L 63ml                      C. 6 L 63 ml                      D. 6L 163 ml

12. What is  $1 - \frac{3}{9}$

- A.  $\frac{6}{9}$                       B.  $\frac{2}{9}$                       C.  $\frac{1}{9}$                       D. 6

13. The county government of Nairobi awarded 185462 students for exemplary performance in both academics and co-curricular activities. Work out the total value of digit 5 in the number.

- A. 185000                      B. 5000                      C. 186000                      D. 500

**The frequency table below shows how learners in a certain class performed in a certain Mathematics Assessment Test. Use it to answer question 14 and 15**

SCORE %	TALLY MARKS	NUMBER OF LEARNERS
100	///	
90 - 99	### /	
80 - 89	### ## ///	
70 - 79	///	
60 - 69	/	

14. How many learners got 80% and above

- A. 13                      B. 22                      C. 32                      D. 27

15. How many learners sat for this assessment test?

- A. 100                      B. 22                      C. 60                      D. 26

16. Which one of the following is a multiple of 12?

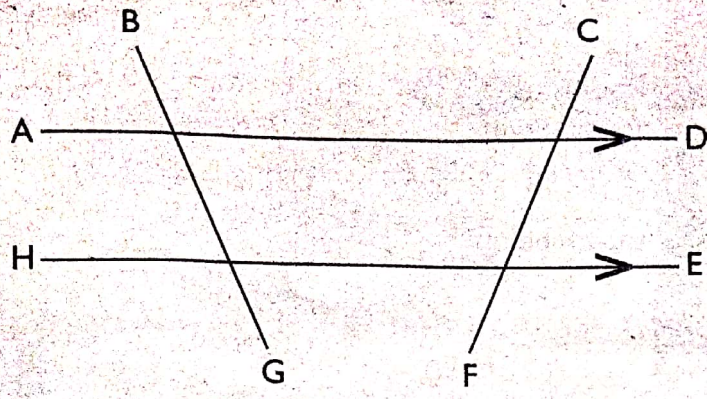
- A. 11                      B. 6                      C. 36                      D. 42

17. Some grade 6 learners visited a certain bank to identify the services offered. Which of the following is **not** amongst the services offered in banks?

- A. Withdrawal of money  
B. provide loans and other credit facilities  
C. hiding money  
D. bill clearance



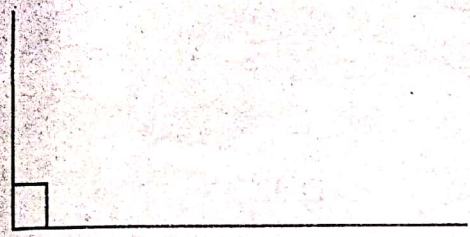
18. Study the diagram below,



Which of the following is a pair of parallel lines?

- A. BG and FC      B. AD and HE      C. AD and CF      D. AH and DE

19. Use a protractor to measure the following angle:



- A.  $45^\circ$       B.  $90^\circ$       C.  $100^\circ$       D.  $80^\circ$

20. Shain starts milking her cows five hours after midnight. What time is it in a.m or p.m?

- A. 12.05a.m      B. 5.00a.m      C. 6.00a.m      D. 12.50a.m

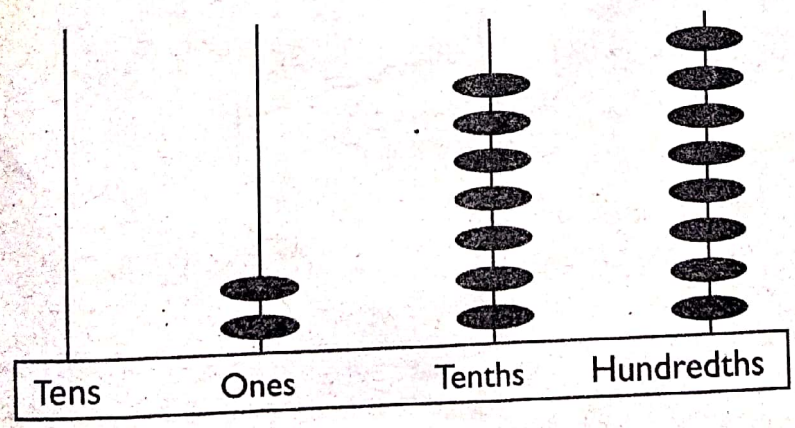
21. Linda took three weeks to learn how to skate. Write the number of days taken by Linda in roman numbers.

- A. X      B. XX      C. XXI      D. VII

22. A piece of cloth of length 12 m and 30 cm was shared equally by 6 people. What length did each person get?

- A. 2m 5cm      B. 12m 30cm      C. 3m 5cm      D. 4m 10m

23. Write the number shown on the abacus.



- A. 278  
B. 27.8  
C. 0.278  
D. 2.78

24. Work out:  $3.642 + 1 + 2.34$

- A. 3.877      B. 6.982      C. 5.983      D. 5.992



25. Solve the following :  $9X + 10 = 91$

A. 9

B. 8

C. 10

D. 91

26. Grade six learners at Shujaa Primary Schools used a half a litre container to fill a 19 litre container. How many half litre containers did he use?

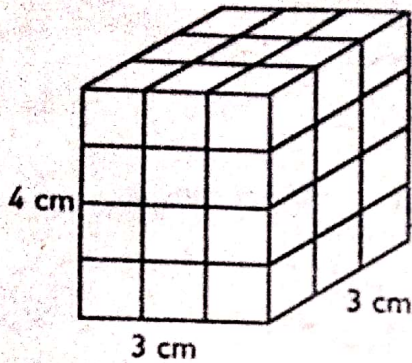
A. 19

B. 9

C. 38

D. 2

27. A Grade 4 learner arranged cubes as shown below.



How many cubes did the learner use?

A. 13

B. 36

C. 10

D. 33

28. Hillary wrote down fractions that are equivalent to  $\frac{3}{7}$ . Which one of the following fraction is not?

A.  $\frac{9}{21}$

B.  $\frac{6}{7}$

C.  $\frac{6}{14}$

D.  $\frac{30}{70}$

29. A teacher drew a circle on the board, divided it into 6 parts and shaded 5 parts. What fraction of the circle was shaded?

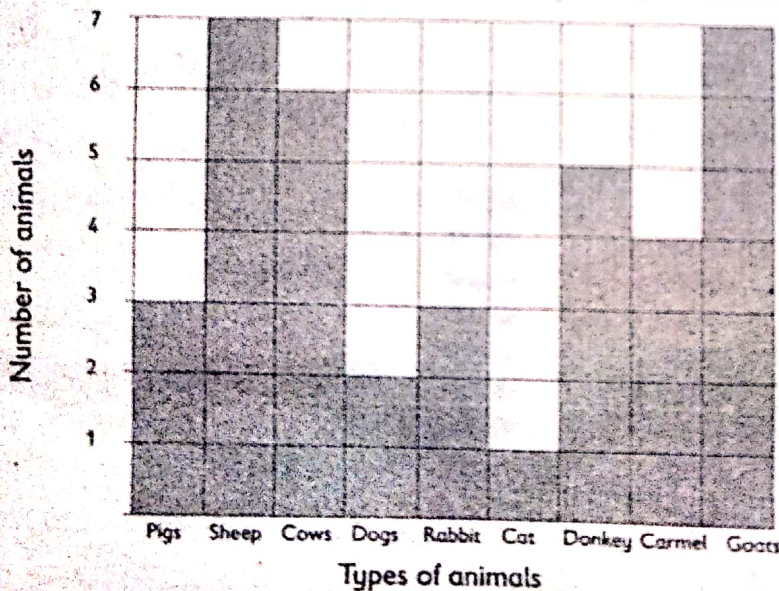
A.  $\frac{6}{6}$

B.  $\frac{6}{5}$

C.  $\frac{1}{6}$

D.  $\frac{5}{6}$

A farmer represented the total number of his animals as shown below:



30. How many animals were in the farm in total?

A. 38

B. 20

C. 53

D. 47