

**READ THESE INSTRUCTIONS CAREFULLY**

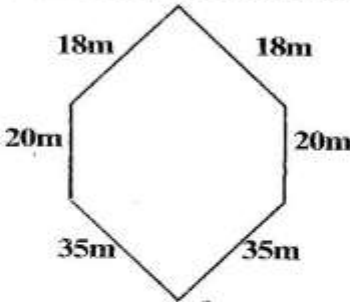
**Time: 2 hours**

1. You have been given this question paper and a separate answer sheet. The question paper contains 30 questions.  
2. Make sure that you have written on the answer sheet.  
(i) Your name (ii) Name of your school (iii) KNEC Assessment number

1. The number of learners who are registered in Kisii County in Grade Six is Five hundred and five thousand two hundred and fifty seven. Write the number in symbols.  
A. 505557 B. 557257  
C. 505057 D. 505257
2. The number of iron sheets produced by Ruiru Company in last year December was **852736**. What is the place value of digit 5 in the number?  
A. Hundreds of thousands  
B. Thousands  
C. Tens of thousands  
D. Millions
3. A teacher wrote square numbers on a chalkboard which formed a pattern as shown below.  
**529, 576, 625, 676**  
What is the next square number in the pattern?  
A. 784  
B. 729  
C. 841  
D. 727
4. Mt. View Naivas Supermarket received 565 cartons of textbooks. Each carton had 24 text books. How many textbooks did Mt. View Naivas supermarket received altogether when the answer is rounded off to the nearest thousands?  
A. 14000  
B. 13560  
C. 13600  
D. 13500

5. **Work out**  
 $48 \div 6 + 8 \times 7 - 14$   
A. 434  
B. 50  
C. 112  
D. 1

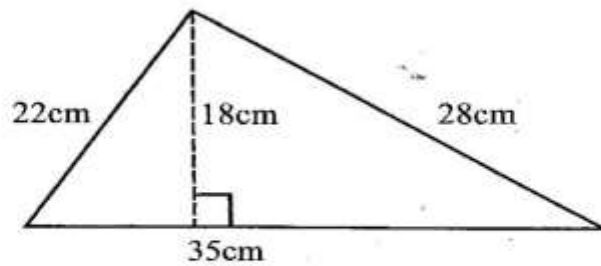
6. A teacher drew the following shape in the board



- What is the perimeter of the shape?  
A. 110m  
B. 128m  
C. 146m  
D. 136m
7. Osoro bought **94.56kg** of rice from Mwea traders. He also bought **65.89** from Kisumu field traders. He later sold **89.45kg** to Kisii Unique Supermarkets. What mass in kilograms did he remain with?  
A. 70.00  
B. 160.45  
C. 118.12  
D. 71.00

8. An Agriculture Club had 3600 goats. The goats were distributed equally among 25 members. How many goats did each member receive?
- A. 144                                      B. 143  
C. 154                                      D. 134
9. A teacher wrote on the whiteboard the following pattern;  
2.4, 9.6, 38.4, 153.6, \_\_\_\_\_  
What is the next number in the pattern?
- A. 192.0                                      B. 614.4  
C. 307.2                                      D. 460.8
10. At the beginning of the year, there were 1845 girls and 895 boys in a school. During the year, 98 more girls joined the school and 30 boys left the school. What was the total number of learners in the school at the end of the year?
- A. 2838  
B. 2612  
C. 2808  
D. 2672
11. Moses drew a rectangle and a square. The rectangle had the same area as the the square. If the area of the square is  $576\text{m}^2$ , find the perimeter of the rectangle if the length of the rectangle is 32m.
- A. 50m                                      B. 18m  
C. 36m                                      D. 100m
12. Otwor and Okemwa contributed some money to buy a piece of land. Otwor contributed  $\frac{3}{7}$  of the total cost of the land. Okemwa contributed  $\frac{2}{9}$  of the total cost. What fraction of the cost of land was not contributed?
- A.  $\frac{22}{63}$                                       B.  $\frac{41}{63}$   
C.  $\frac{5}{16}$                                       D.  $\frac{11}{16}$

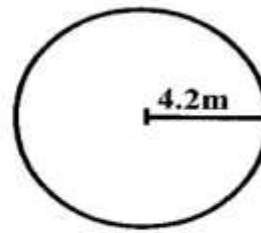
13. Find the area of the figure drawn below



- A.  $385\text{cm}^2$                                       B.  $315\text{cm}^2$   
C.  $252\text{cm}^2$                                       D.  $198\text{cm}^2$
14. What is the value of;
- $$8\frac{3}{4} - 3\frac{2}{3} ?$$
- A.  $5\frac{1}{4}$   
B.  $12\frac{5}{12}$   
C.  $5\frac{1}{12}$   
D.  $5\frac{1}{3}$
15. A cuboid of 40cm length, 25cm width and 12cm height is full of water. How many litres of water are in the container?
- A. 12000  
B. 1200  
C. 120  
D. 12
16. A cement factory manufactured 24 tonnes of cement. They packed the cement in 50kgs bags. How many bags of cement were packed?
- A. 4800                                      B. 480  
C. 48                                      D. 48000

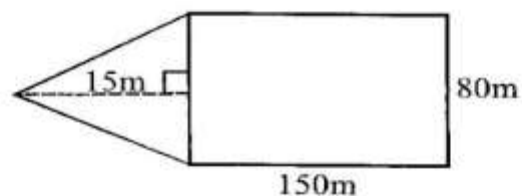
17. Kenya Cooperative Society processed 8 tonnes 500kg of tea leaves from its K.T.D.A factories. It exported 4 tonnes 800kg to overseas countries. How many kilograms of tea leaves remained?
- A. 4300                      B. 13300  
C. 3700                      D. 370
18. Ruth had 35 cartons. She packed 30 bottles of fruit juice in each carton. Each bottle contained 500ml of juice. What was the total amount, in litres of juice packed?
- A. 525  
B. 5250  
C. 52500  
D. 525000
19. Two farmers delivered barley to a factory. One farmer delivered 60 tonnes 700 kilograms of barley and the other farmer delivered 25 tonnes 650 kilograms of barley. How many tonnes and kilograms of barley was delivered altogether?
- A. 85tonnes 350kg  
B. 86tonnes 350kg  
C. 35tonnes 150kg  
D. 85tonnes 150kg
20. A trader had 2.4 tonnes of sugar in his shop. He decided to pack it into 500g packets. He sold it at Sh.90 per packet. How much money did he get from the sale of all the sugar in the shop?
- A. Sh.43200                      B. Sh. 4320  
C. Sh. 432000                      D. Sh. 108000

21. Calculate the circumference of the figure drawn below



- A. 13.2m                      B. 1.32m  
C. 2.64m                      D. 26.4m

22. Tombe tea factory exported 8610000 kilograms of tea leaves to Finland Country. How many tonnes of tea leaves was exported?
- A. 861                      B. 861000  
C. 86100                      D. 8610
23. The area of a rectangular piece of paper is  $108\text{cm}^2$ . The length of the paper is 12cm. What is the width of the paper in millimetres?
- A. 0.9                      B. 9  
C. 90                      D. 900
24. A wall of a rabbit hutch is in the shape of a rectangle and a triangle as shown below



What is the area of the wall?

- A.  $13200\text{m}^2$                       B.  $12600\text{m}^2$   
C.  $12000\text{m}^2$                       D.  $6600\text{m}^2$

25. Njeri made a necklace using red and green beads. The red beads used were 38% while the rest were green. Which of the following decimals represent the green beads?
- A. 0.62                      B. 6.2  
C. 0.062                      D. 0.0062

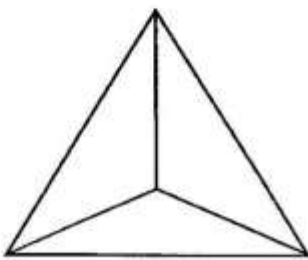
MATHS GRADE 6



26. A ribbon is 41cm 8mm long. Atieno cut 8cm 9mm of the ribbon to make a flower. What length of the ribbon remained?

A. 33cm 9mm  
 B. 32cm 9mm  
 C. 33cm 1mm  
 D. 50cm 7mm

27. During a Geometry lesson, Mr. Ndalo a Mathematics teacher drew a solid below on the board

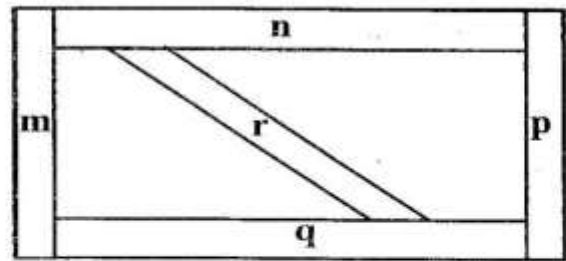


Name the type of solid that Mr. Ndalo had drawn.

- A. A triangular pyramid  
 B. A square based pyramid  
 C. A triangular prism  
 D. A rectangular prism
28. A self-help group shared some money among 30 women. Each woman in the group got Sh.18500. Use letter  $y$  to represent the amount of money shared. Which of the following equations **correctly** represents the information?

A.  $30y = 18500$   
 B.  $\frac{30}{y} = 18500$   
 C.  $y + 30 = 18500$   
 D.  $\frac{y}{30} = 18500$

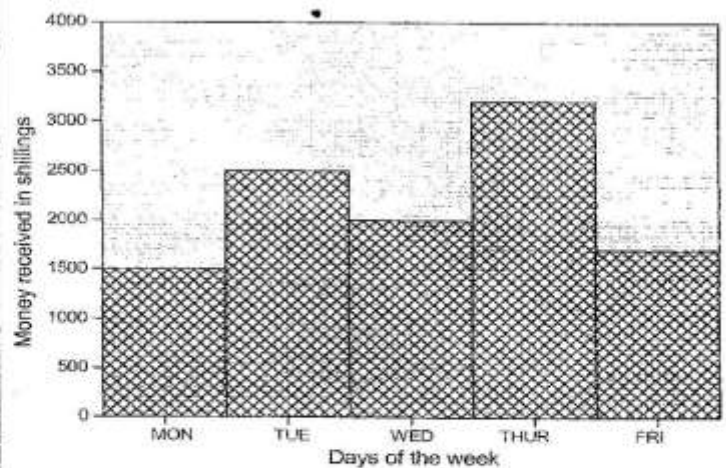
29. A carpenter joined five pieces of timber to make a window frame as shown



Which of the following pieces of timber are parallel?

A.  $r$  and  $q$   
 B.  $r$  and  $p$   
 C.  $m$  and  $n$   
 D.  $n$  and  $q$

30. Grade 6 learners harvested maize from the agriculture project. The bar graph shows the amount of money received from Monday to Friday after selling the maize.



How much more money did the learners receive on Thursday than on Monday?

A. Sh. 3500  
 B. Sh. 2000  
 C. Sh. 1500  
 D. Sh. 1750