

SIR APOLLO KAGGWA / CITY PARENTS' SCHOOL
MATHEMATICS HUB- REVISION TERM III 2022
PRIMARY SEVEN

SECTION A

1. **Work out:** 45

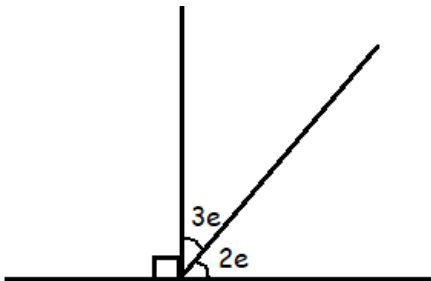
$$\begin{array}{r} + 21 \\ \hline \end{array}$$

2. Write **990,040** in words.

3. Subtract $3m - 2$ from $5m + 3$.

4. Given that: $A = \{ 1, 3, 5, 7, 9 \}$, $B = \{ 2, 3, 5, 7, 11 \}$
Find $n(A-B)$

5. Find the unknown in the angle given below



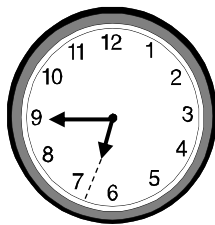
6. Complete the sequence below.

1, 8, 27, 64, _____

7. The average of $3t$, $2t + 3$ and $t - 3$ is **8**. Find the value of t .

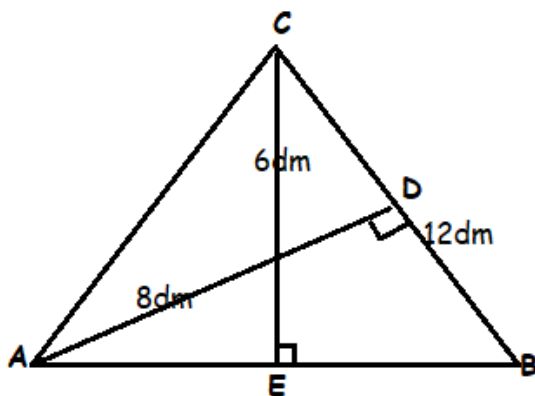
8. Bridget was given $\frac{3}{4}$ cup of tea. She drank $\frac{2}{9}$ of it. What fraction remained?

9. Write the morning time shown on the clock face below in 24 hour clock system.



10. A trader made a profit of 10% after selling a watch at shs. 9900. How much money did he buy the watch?

11. Find the length of line **AB** on the triangle below given that lines **BD = 12dm**, **AD = 8dm** and **CE = 6dm**.

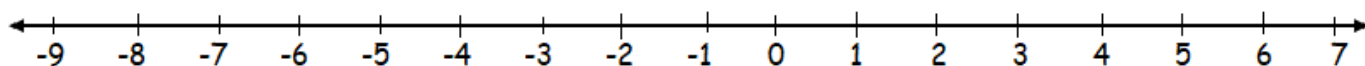


12. Round off 3465 to the nearest hundreds.

13. **Work out:** $\frac{0.35+0.14}{0.7}$

14. Use a number line to work out;

$$-8 - -3$$



15. **Solve the inequality below;**

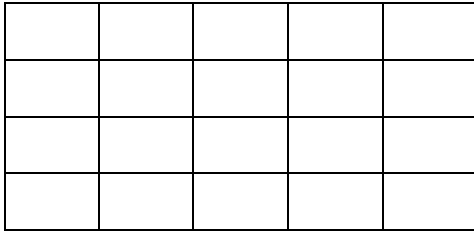
$$2(r+3) \leq 3r - 4$$

16. If \bigoplus represents 1000 pupils, How many pupils are represented by



17. Today is Friday, What day of the week was it 69 days ago?

18. Shade 75% of the diagram below.



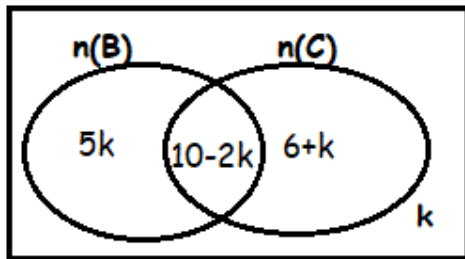
19. What is the highest number that can exactly divide **36** and **54**?
20. Using a ruler, a pencil and a pair of compasses only, construct an angle of **105°** in the space below.

SECTION B

- 21a) Change **32_{five}** to binary base.

b) Given that $105_p = 131_{\text{five}}$, find the unknown base P .

22. The Venn diagram below shows the number of guests on a birthday party who eat Beef(B) and Chicken(C).



a) If $3k$ guests ate chicken (C), find the value of k .

b) How many guests attended the party altogether?

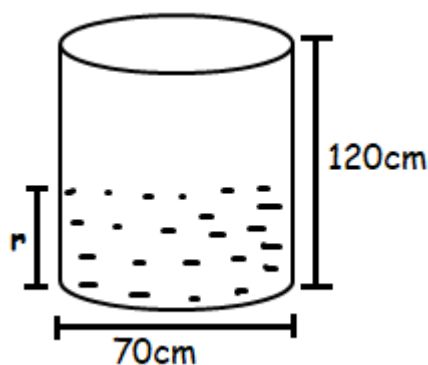
c) If a guest is to be picked at random to give a speech, what is the probability that one who did not eat chicken is picked.

23. The table below shows the rates of buying and selling of foreign currencies at DFCU bank. Use it to answer questions that follow.

| CURRENCY | BUYING RATE | SELLING RATE |
|----------|-------------|--------------|
| 1 Kshs | Ushs 34 | Ushs 35 |
| 1 US \$ | Ushs 3520 | Ushs3650 |

- a) Haruna went to DFCU bank with **\$150** and **Kshs 300**. How much did he get in Uganda shillings altogether?
- b) A businessman had 70 US dollars and exchanged them for Kenya shillings. How much is Kenya shillings did she get?

24. Below is a cylindrical tank holding some water. Use it to answer questions that follow;



- a) Find the level of water (r) given that the tank is holding 192.5litres of water.

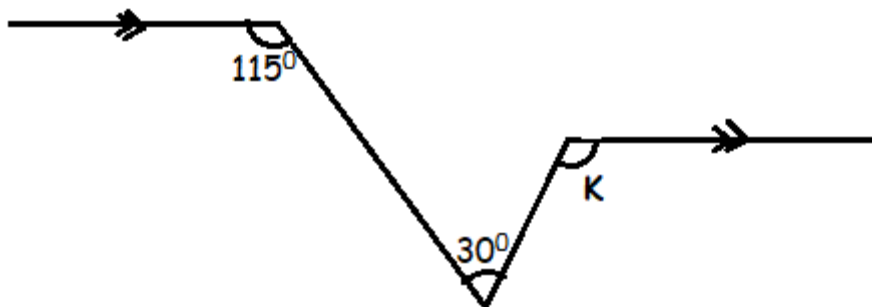
b) How many litres are remaining to make the tank completely full?

25a) Find the expanded number

$$(3 \times 10^4) + (4 \times 10^2) + (6 \times 10^{-1}) + (5 \times 10^{-2})$$

b) **Simplify:** $\frac{1}{2} + \frac{1}{4} \div \frac{3}{8} \times \frac{3}{10}$

26. Study the diagram below and use it to answer questions that follow.



Find the size of angle k .

27. Opoka left Soroti, at **8:30am** and drove at a speed of **100km/hr** reaching Bugiri at **10:30am**. He rested for half an hour at Bugiri and set off at **80km/hr** for one hour and thirty minutes to Jinja.

a) How far is Bugiri from Soroti?

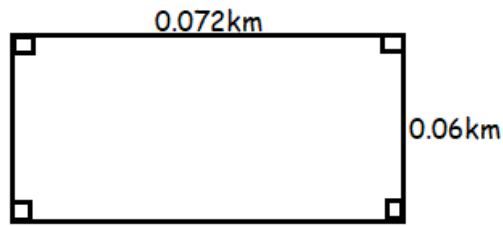
b) Calculate his average speed for the whole journey?

28. In a primary Seven class, the girls are 20% more than the boys. on a certain Monday, $\frac{1}{3}$ of the girls were absent and 18 girls were present?

a) How many girls are in the class?

b) Find the number of boys in that class.

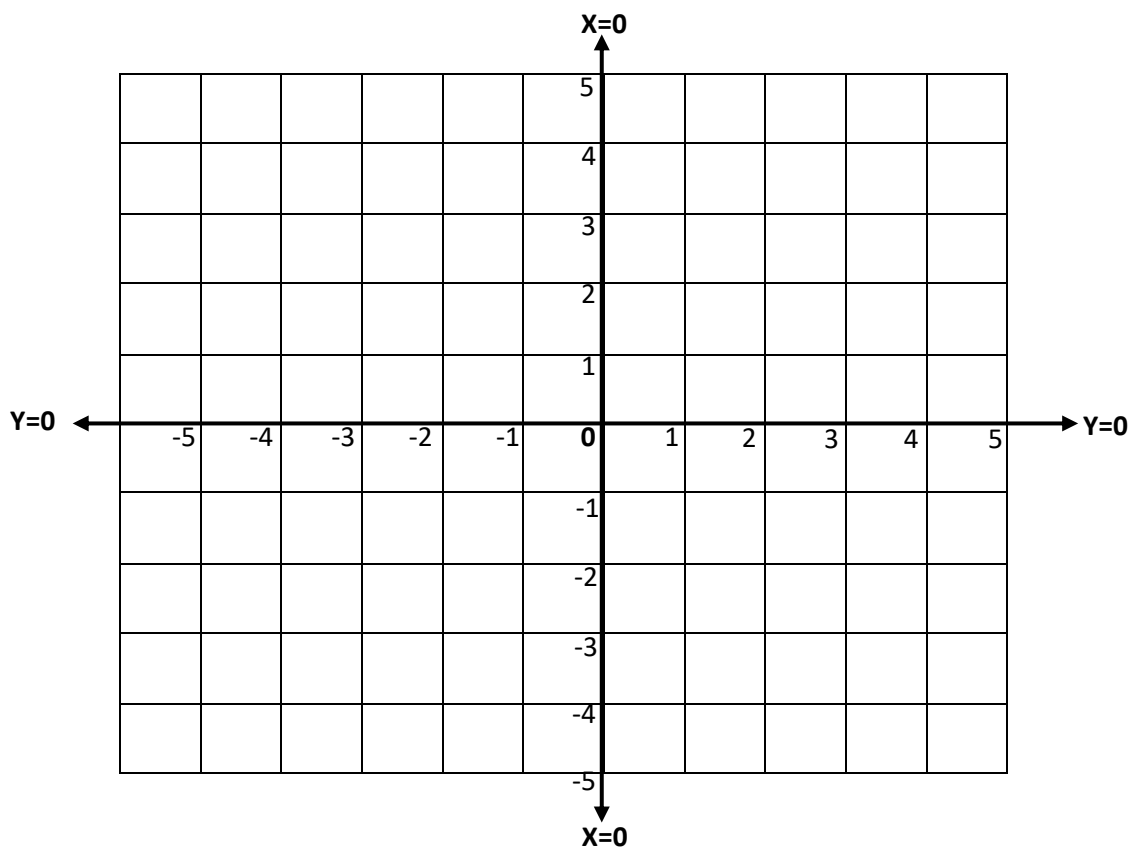
29. A farmer wants to fence his rectangular farm land measuring 0.072km by 0.06km shown below by planting trees placed at equal intervals of 2.4metres.



- a) How many holes for planting trees does the farmer need to dig around the whole farm land?
- b) If the trees are sold at shs 30,000 for every five trees, how much will he spend on buying trees enough to plant on the whole land?
30. Jacob's age is a quarter of his mother's age now. In five years' time, the mother will be thrice as old as Jacob.
- a) How old is the mother now?
- b) Find Jacob's age 5 years ago.

31a) On the co-ordinate graph below, plot the points given below;

A(-2 , 4) , B(0 , -2) and C(3 , -2)



- b) Join the points **A** to **B** to **C** to **A** and name the figure.
- c) Workout the area of the figure **ABC** given that **1sq = 1dm²**.

32. Abdu moved from town **M** to town **P** a distance of **150 km** on a bearing of **090°**. He then continued to town **Q** a distance of **80km** on a bearing of **340°**.
- a) Using a scale of **1cm : 20km**, draw an accurate diagram to illustrate Abdu's journey.
- b) Find the shortest distance between towns **M** and **Q**.

THE END