

ST. PATRICK KIGULU GIRLS' BOARDING PRIMARY SCHOOL

REVISION TEST

PRIMARY SIX MATHEMATICS 2020

NAME: _____ **DATE:** _____

SECTION A (40 marks)

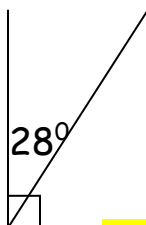
1. Subtract 27 from 93.

2. Write 34 in Roman Numerals.

3. Given that $A = \{1, 2, 3\}$. Find the number of subsets in set A.

4. Work out: $4 - -9$

5. Find the size of angle marked m in the figure below.



m

6. Musa has a string measuring 0.125km. Express this length in metres.

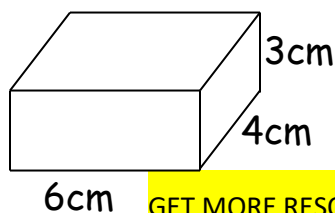
7. Find the next number in the sequence; 2, 3, 5, 7, _____

8. A boy scored the following marks in three consecutive tests; 6 , 9 and 12. What was his average score?

9. Given that $g = 2$ and $h = 3$, find the value of $2g + 3h$.

10. Convert 22_{five} to base ten.

11. Calculate the volume of the figure below.



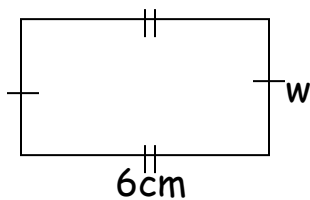
12. In the space below, draw an angle of 70° using a protractor, ruler and a well sharpened pencil.

13. Simplify: $\frac{1}{3} + \frac{2}{5}$

14. Write "forty thousand forty four" in figures.

15. A car covered a distance of 240km after travelling for 3 hours.
Calculate its average speed.

16. The area of the rectangle below is 30cm^2 . Find its width, w if the length is 6cm.



17. Akello bought 500gm of sugar at shs. 2000 a kg. How much money did she pay for sugar?

18. Change $2\frac{1}{2}$ hours to minutes.

19. A milkman packs 20 litres of milk in $\frac{1}{4}$ litre packets. How many $\frac{1}{4}$ litre packets does he get?

20. How many dozens are there in 36 items?

SECTION B (60 marks)

21. a) A paper factory packs 500 sheets of paper in each ream. Each day a factory makes 1000reams of paper. How many sheets of paper are made each day? (2 marks)

b) Multiply: 0.3×1.2 (2 marks)

22. Katongole scored the following marks in a series of tests.

70 , 60 , 40 , 60 , 80 , 50

a) How many tests did he do?
(1 mark)

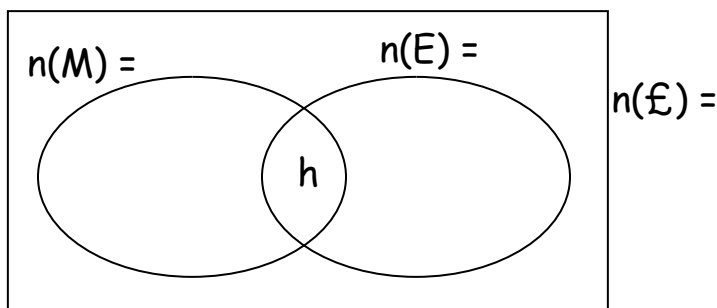
c) Work out his range. (2 marks)

b) What is his modal mark?
(1 mark)

d) Calculate his average mark. (2 marks)

23. In a class of 60 pupils, 32 like Maths (M) and 40 pupils like English (E) while h pupils like both.

a) Represent the above information on the Venn diagram below. (2 marks)



b) How many pupils like both subjects?

(2 marks)

(2 marks)

c) How many pupils like only one subject?

24. In a class of 120 pupils, $\frac{2}{5}$ of them are girls and the rest are boys.

a) Find the fraction for boys.
(1 mark)

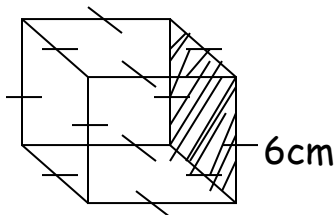
b) How many girls are in that class?
(2 marks)

c) How many more boys than girls are in the class? (3 marks)

25.a) Solve for y : $2y - 6 = 6$ (2 marks)

b) Simplify: $2(h + 3m)$ (2 marks)

26. The figure below is a cube, answer the questions about it.



a) Calculate the area of the shaded face. (1 mark)

b) Find the volume of the figure above. (2 marks)

c) Work out its Total Surface Area (T.S.A) (2 marks)

27.a) Construct a triangle BCD such that angle $CBD = 60^\circ$, $BC = 6.5\text{cm}$ and $BD = 5\text{cm}$ using a ruler, a pencil and a pair of compasses only.

(4 marks)

b) Measure length $CD = \dots\dots\dots$ (1 mark)

28. Namuddu went to the market with shs. 30,000 and bought the following items.

2 kg of sugar at shs. 3400 per kg.

$1\frac{1}{2}$ kg of meat at shs. 8000 per kg.

3 litres of milk for shs. 7500.

a) Calculate her total expenditure. (3 marks)

b) What was her change?

(2 marks)

29.a) Given the number 4932, expand it using;

(1 mark @)

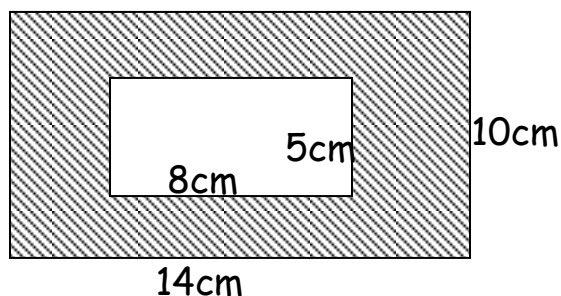
i) Powers of ten

ii) Values

c) Work out:
$$\begin{array}{r} 324_{\text{five}} \\ + 42_{\text{five}} \\ \hline \end{array}$$

(2 marks)

30. The shape below shows a flower garden. The small garden is in the middle of a big garden. Study it carefully and answer the questions.



a) Find the area of the small rectangle.

(1 mark)

b) What is the area of the big rectangle?

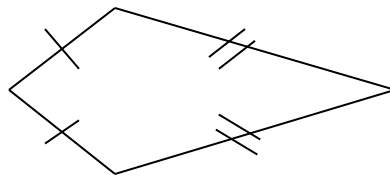
c) Calculate the area of the shaded part.

(2 marks)

31. a) How many lines of folding symmetry does the figure below have?

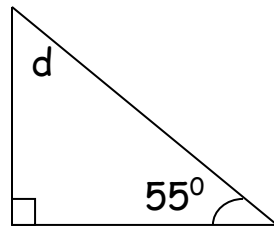
(Show them by drawing)

(1 mark)

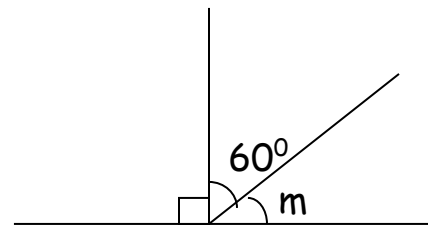


b) Calculate the size of the angles marked with the letters. (2 marks @)

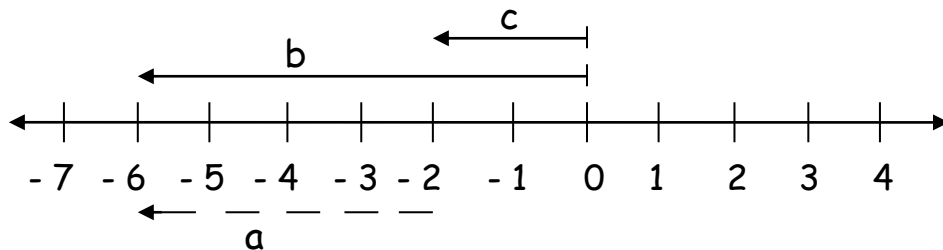
i)



ii)



32. Use the number line below to answer the questions that follow.



a) State the value of

(i) $c = \dots\dots\dots$ (ii) $b = \dots\dots\dots$ (iii) $a = \dots\dots\dots$ (1 mark @)

b) Write the Mathematical statement represented above. (2 marks)

END