

PRIMARY SEVEN REVISION

TOPICAL QUESTIONS

MATHEMATICS

Time allowed 2 hours 15 minutes

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Name of Pupil:.....

Signature:.....

Read the following instructions carefully:

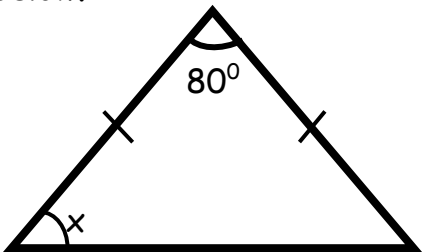
1. All answers must be written using blue or black pointed pen or ink. Diagrams should be drawn in pencil.
2. Unnecessary alteration of work may lead to loss of marks.
3. Any illegible handwriting may lead to loss of marks.

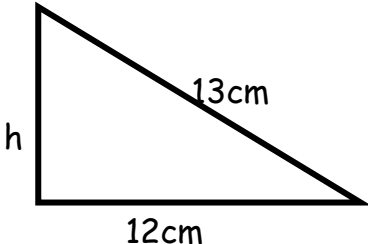
TEACHERS COMMENT TO THE LEARNER

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SECTION A: (40 MARKS)**ANSWER ALL QUESTIONS IN THIS SECTION.****Questions 1 to 20 carry two marks each.**

1. Workout: $714 \div 7$	2.	Write "One hundred thousand, one" in numerals.
3. If $P = \{1, 2, 3, 4, 5\}$ and $Q = \{a, b, c, d, e\}$. Find $n(P \cap Q)$	4.	Write XLIV in Hindu Arabic numerals.
5. A school bursar deposited a bundle of twenty thousand shilling notes to the bank numbered from AB855801 to AB855900. How much money did the bursar deposit?	6.	Find the next number in the sequence below. 1, 3, 6, 11, 18, _____
7. Okwaja is standing in the tenth position from the either sides of the line of teachers. How much teachers are in the line altogether?	8.	Express 10011_{two} as a decimal base.
9. Use distributive property only to work out $(25 \times 1.5) + (75 \times 1.5)$	10.	Write 0.000438 in standard form.

11. The ratio of boys to girls is 2:3. When increased by p, it becomes 14:15. Find the value of p.	12.	Mr. Esau deposited sh. 240,000 in stanbic bank at the interest rate of 15% per year for 9 months. Find his simple interest.
13. Find the value of x in the figure below. 	14.	Simplify: $-4 - ^{-}11$
15. A man's stride is 30cm. How many strides does he have to make to cover a distance of 150 metres?	16.	Find the square root of $6\frac{1}{4}$.
17. Evaluate $a^2 - b$ if $a=-3$ and $b=2$.	18.	In a class of 32 boys, the ratio of boys to girls is 2:3. Find the number of girls in the class.

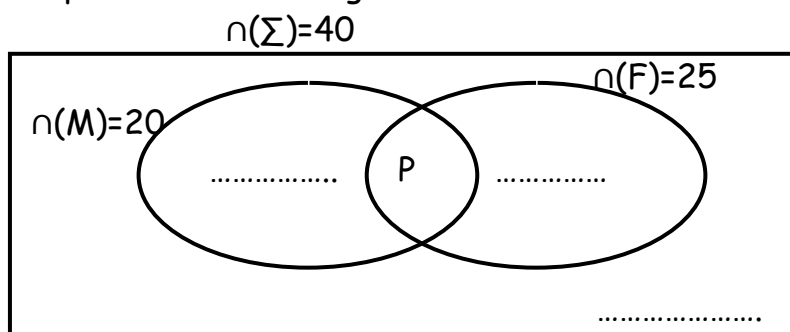
19. Find the area of the figure below.	20.	Solve: $2^{2x} = 64$.
		

SECTION B (60 MARKS)

21. In a class of 40 candidates, all like chicken (C), 20 like meat (M) and chicken, 25 like fish (F) and chicken, p like all the three types of food while 5 candidates like chicken only.

a) Complete the Venn diagram below.

(3 marks)



b) How many candidates like all the three types of food? (2 marks)

22. The figure below is a rectangle whose perimeter is 46m. Use it to answer the questions that follow.



$$(a + 6)m$$

a) Find the value of a . (2 marks)

b) Workout the area of the figure above.

23. Mary went to the market and bought the following items.

- 2kg of meat at sh. 8,000 per kg.
- $1\frac{1}{4}$ kg of sugar at sh. 6,000 each kg.
- 500g of maize flour at sh. 3,000 per kg.
- 12 tomatoes at sh. 1,000 for every 3 tomatoes.

a)How much money did she spend altogether?

b)If she was given a change of sh. 21,000, how much money did she have at first?

24. The sum of three consecutive even numbers is 66. If the last number is r ,

a) Find the numbers. (3 marks)

b) Workout the range of the numbers. (1 mark)

25. The table below shows marks scored by some pupils.

Marks	80	k	70	90
No. of pupils	2	4	3	1

a) How many pupils did the test? (2 marks)

b) Find the value of k if the mean mark is 66. (3 marks)

26. The table below shows the arrival and the departure time of the bus from Kampala to Tororo. Use it to answer the questions that follow.

Town	Arrival	Departure
Kampala		7:00am
Jinja	8:45am	9:00am
Iganga	10:00am	10:20am
Bugiri	11:00am	11:15am
Tororo	12:00noon	

a)How long did the bus take to travel from Iganga to Tororo? (2 marks)

b) For how long did the bus stay in Jinja?

c) If the distance from Kampala to Tororo is 255km, calculate the average speed at which the bus was traveling.

27. Mulokosi is twice as old as his brother now. In 5 years' time, their total age will be 40 years.

a) How old is Mulokosi's brother now? (4 marks)

b) How old will Mulokosi be in 5 years' time? (1 mark)

28. a) Using a ruler, a pencil and a pair of compasses only, construct a triangle ABC in which $AB=6\text{cm}$, $BC=8\text{cm}$ and $AC=10\text{cm}$ (4marks)

b) Measure angle ABD (1 mark)

29. Pautinoh, Robbinoh and Ronaldinoh shared a certain amount of money in the ratio of 2:3:4 respectively. If Robbinoh got sh. 90,000.

a) Find their total share. (3 marks)

b) How much more money did Ronaldinho get than Pautinho? (2 marks)

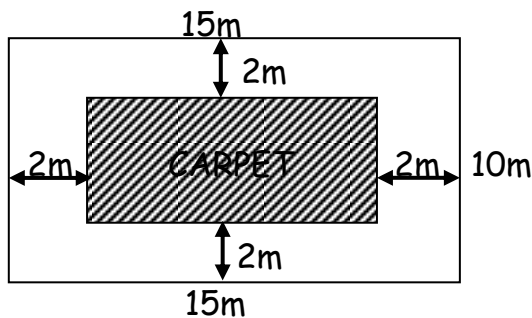
30. The interior and exterior angles are in the ratio of 7:2.

a) Find the size of each angle. (3 marks)

b) Calculate its interior angle sum. (2 marks)

31. The figure below represents the sitting room of 15m by 10m with a carpet placed in the middle. Use it to find the area of the space that is not covered by the carpet.

(5 marks)



32. Given that $y = x - 2$. Complete the table below. (5 marks)

X	-2	0	2
y	-3	-1