



SUCCESS INTEGRATED PRIMARY SCHOOL

END OF SEPTEMBER EXAMINATION 2020

MATHEMATICS FOR P.6

Time allowed: 2 hours 30 minutes

Name:

Stream:.....District.....

FOR
EXAMINER'S
USE ONLY

Read the following instructions carefully:

1. The paper has two section: A and B.
2. Section **A** has 20 short- answer questions (40 marks).
3. Section **B** has 12 questions (60 marks).
4. Answer **all** questions. All answers to both Sections **A** and **B** must be written in the Spaces provided.
5. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary change of work may lead to loss of marks.
7. Any handwriting that can not easily be read may lead to loss of marks.
8. Do not fill any thing in the boxes. They are for examiner's use.

FOR EXAMINER'S USE ONLY

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Qn No.	MARKS	Exr's No.
1 – 10		
11-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

SECTION A

1. Add: $0.4 + 0.6$

2. Simplify: $-2 - -10$

3. If set $A = \{a, b, c, d, e, f\}$
and $B - A = \{g, h, i\}$
Find $A \cup B$

4. Work out $101_{\text{two}} + 11_{\text{two}}$

5. Multiply 135×29

6. Write XLIX in Hindu Arabic Numerals.

7. Shade $\frac{1}{4}$ of the diagram.



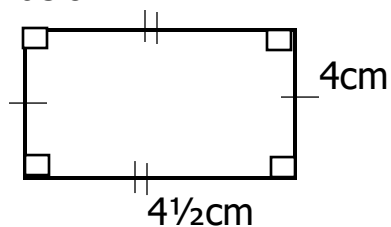
8. Increase sh. 1,000 by 20%

9. Find the sum of the first six prime numbers

10. The prime factors of 30 are $2 \times p \times 5$. What is the value of P?

11. Round off 30.967 to one place of decimal.

12. Find the area of the figure below.



13. Write 4786 in expanded form using exponents

14. Find the next number in the sequence:
1, 8, 27, 64, _____

15. Work out: $(13 \times 5) + (17 \times 5)$


16. How many lines of folding symmetry has the figure below?



17. Solve: $2(m-2)=6$

18. Evaluate 4^2+6^0+4

19. Convert 250ml to litres .

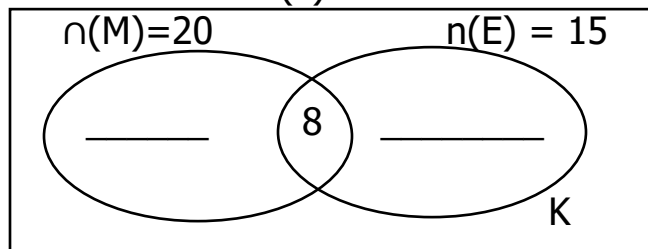
20. If  represents 10 balls, Draw pictures to represent 60 balls.

SECTION B

21. In a class of 30 pupils, 20 pupils like Mathematics (M), 15 pupils like English(E), 8 pupils like both Mathematics and English while K like none of the two subjects.

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

$$n(\varepsilon)=30$$



(b) Find the value of k (2marks)

(c) Work out the probability of picking a pupil who likes only one subject. (1 mark)

22. Using a ruler, a sharp pencil and a pair of compasses only. Construct a rectangle ABCD such that AB = 7cm, BC = 4cm (4 marks)

(b) Measure diagonal AC (1 mark)

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23. Simplify: (a) $\frac{4.2 \times 2.4}{0.7 \times 0.6}$ (3 marks)

(b) $\frac{2}{3} - \frac{1}{2} + \frac{1}{4}$ (2 marks)

24. (a) Convert $3\frac{1}{4}$ hrs to minutes.

(2 marks)

(b) A motorist drove from town A to town B from 9:30a.m to 11:30a.m driving at a speed of 60km/hr. How far is town A from B? (3 marks)

25. In a class of 60 pupils, 60% are boys and the rest are girls.

(a) Find the percentage of girls.

(2 marks)

(b) How many more boys than girls are there in the class?

(3marks)

26. Solve (a) $\frac{2}{5}m=10$

(2marks)

(b) I think of a number, multiply it by 6, the result is 18. What is the number?
(2marks)

27. The sum of three consecutive even numbers is 36.

(a) Find the numbers

(4 marks)

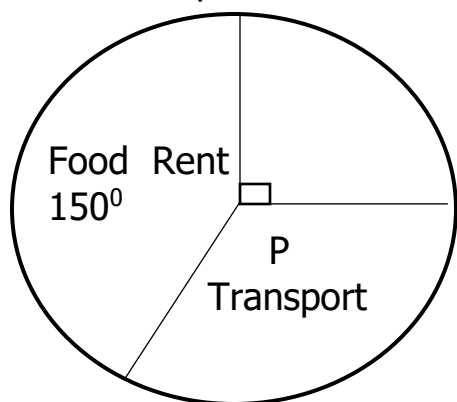
(b) Find their range

(2marks)

28. The area of a square piece of land is 169m^2 . Find its perimeter. (4marks)

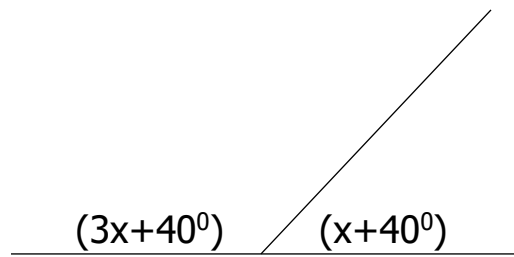
29. Below is a pie chart. Use it to answer the questions that follow.

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



(b) If Mr. Kasekende earns sh. 72,000 monthly, how much more money does he spend on food than on transport? (3marks)

30. The two supplementary angles on a straight line are values of $x+40^\circ$ and $3x+40^\circ$



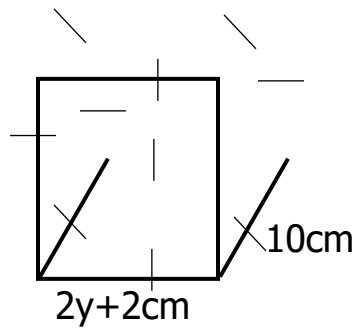
(a) Find the value of x (3marks)

(a) Find the size of the biggest angle. (2 marks)

31. (a) Find how much money is contained in a bundle of sh. 20,000 bank notes. If they are consecutively numbered from AP5367000 to AP5367099? (3 marks)

(b) Mr. Kakooza returned from Kenya with ksh. 8250. If he converted it into Uganda shillings, how much money did he get given that Ksh=Ugsh. 30 (2 marks)

32. Below is a cube. Use it and answer the questions that follow.



(a) Find the value of y

(2 marks)

(b) Calculate its volume.

(2 marks)

(c) Work out its total surface area.

(2 marks)