JINJA CITY ACADEMIC BOARD

PRIMARY LEAVING MOCK EXAMINATION 2022

MATHEMATICS

TIME ALLOWED : 2HOURS:30MINUTES

Index No.									

Candidate's Name:.....

candidate's Signature.....

School Name.:.....

District Name:.....

FOR EXAMINER'S USE ONLY

Read the following instructions carefully

1. The paper has **two** Sections **A** and **B**
2. Answer all questions. All answers to both section **A** and **B** must be written in spaces provided.
3. **All** answers must be written using a blue or black ball point pen or ink.
4. Unnecessary changes of work may lead to loss of marks.
5. Any handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in the boxes shown: **"For Examiners' Use Only"** and those inside the question paper

FOR EXAMINER'S USE ONLY		
Qn. No.	**Marks**	**Examiner's No.**
1-5		
6-10		
11-15		
16-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

SECTION A (40 MARKS)

1. .Add 3
   X 2

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2. Work out 2 + 3=_____(five 4)

3. Worked out $\frac{4}{5} \div \frac{2}{5}$

4. Solve P - 6 = 0

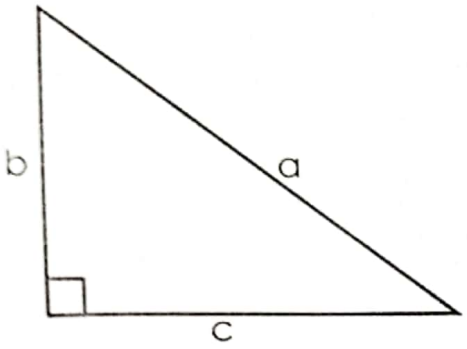
5. Add $^{-}6 + ^{-}2$

6. 4 bricks weigh 2kg. How many bricks weight 6kg?

7. Given the prime factorization $2^3 \times 3^2 \times 5^1$. Show the prime factors by subscript method.

8. Given that $a^2=10$, $b^2=6$ on the figure below.

Find the value of C



9. How many subsets has set K if K={ } ?

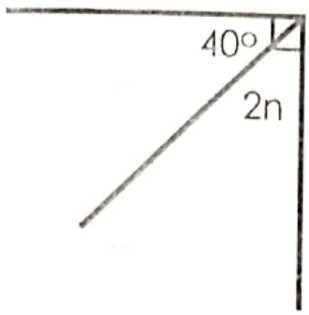
10. Subtract 4_{five} 3_{five}

$-\ 2_{\text{five}}$ 4_{five}

11. Write the square of 16 in words.

12. Musa runs 25 raps round a field of 400m. What distance in km does he cover?

13. Find the angle labeled 2n

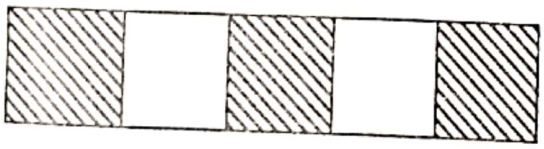


14. Dindu and his two sons shared shs 60,000 equally. How much did each get?

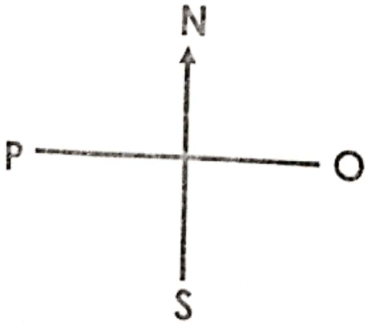
15. Write the expanded number in Roman numerals.

$(1 \times 10^3) + (4 \times 10^2) + (1 \times 10^1) + (5 \times 10^0)$

16. Express the shaded fraction in the diagram below as a decimal

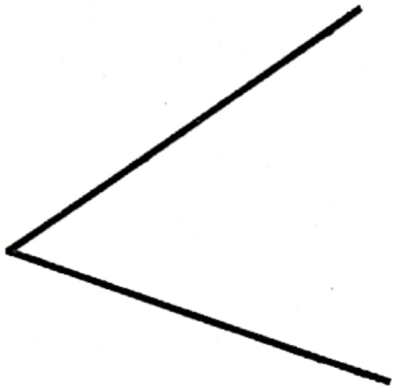


17. using this compass direction find the direction of O from P

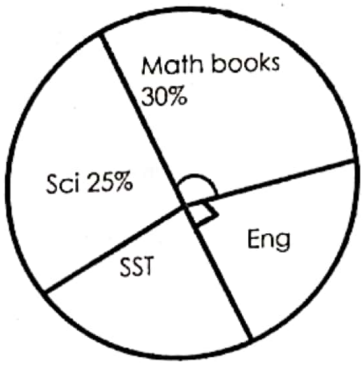


18. Simplify $2P^2 \times 2P^2$

19. Using a pair of compasses and ruler bisect the angle below.



20. The pie chart below shows books in the Library



What is the sector for SST in degrees?

SECTION B (60 MARKS)

21. The table below show makes scored by 12 pupils in test.

Marks	70	75	60	50	80	90
No of pps	2	2	X	2	3	1

(a) Find the range (2mks)

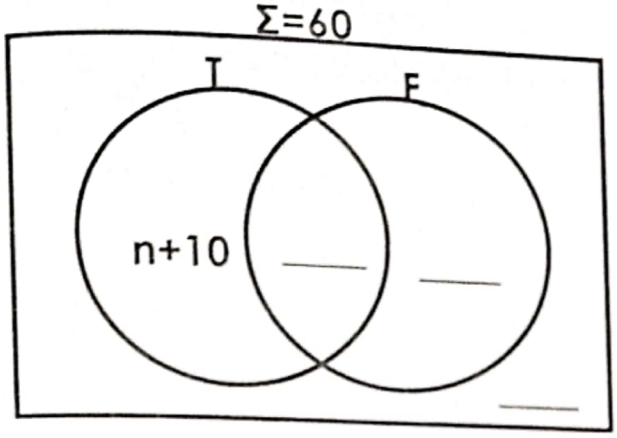
(b) What was the mode mark? (2mks)

(c) Find the mean. (2mks)

22. 4 mangoes cost 2,000/= and 8 oranges cost 1,000/=. What can one pay for 4 oranges and 8 mangoes? (4mks)

23. In a market of 60 traders, 20 of them sell both food staffs (F) and Textiles (T), n+10 sell only Textiles while 10 sell other goods. If the number of traders who sell food staff is equal to those who sell Textiles.

(a) Show this information on a venn diagram. (3mks)



(b) Find the value of n. (2mks)

(c) What is the probability of choosing a trader at random who sells food stuffs?. (1mk)

24. (a) Construct a square ABCD of sides 6cm. (4mks)

(b) On the constructed figure make diagonal AC and BD meet at point O and measure angle AOB. (2mks)

25. The science teachers' salary was increased from 600,000 to 2,400,000

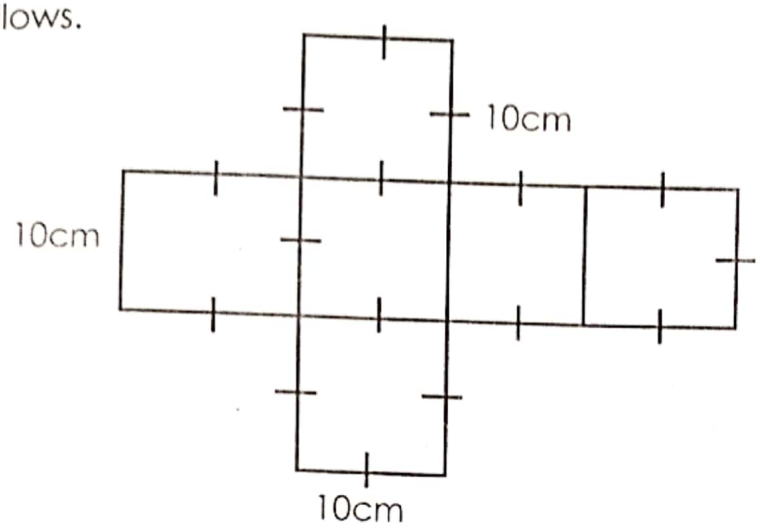
(a) What was the percentage increase? (2mks)

(b) Express this change in salary as a ratio. (2mks)

26. (a) Solve $8m + 3(m-4)=32$ (3mks)

(b) John was born 1990 and Jane was born in 2010, after how many years will Jane be half the age of John? (3mks)

27. Below is a net or model of a solid figure, use it to answer questions that follows.



(a) Find the perimeter of this net. (2mks)

(b) What is the name of the solid formed from this net? (1mk)

28. Mukisa read $^{3}/_{5}$ of his book on Sunday $^{3}/_{10}$ on Monday and rest on Tuesday.

(a) What fraction did he read on Tuesday? (2mks)

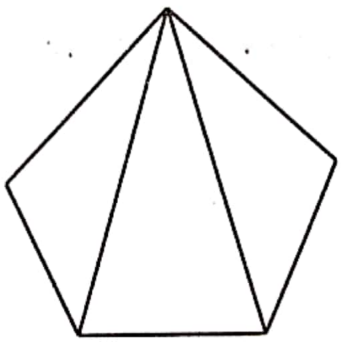
(b) If on Tuesday he read pages 91 to 100. How many pages did he read altogether. (3mks)

29. When our school pupils went for a tour, five buses were used. Two buses carried 50 pupils each and the rest carried 40 each.

(a) How many pupils went for a tour? (3mks)

(b) If each pupil paid 20,000 each .How much money was collected? (2mks)

30.



(a) How many triangle do you count from the polygon above?

(2mks)

(b) What is its interior angle sum?

(2mks)

31. (a) How long will it take a motorist to cover a journey of 300km at a speed of 150km/hr ?

(2mks)

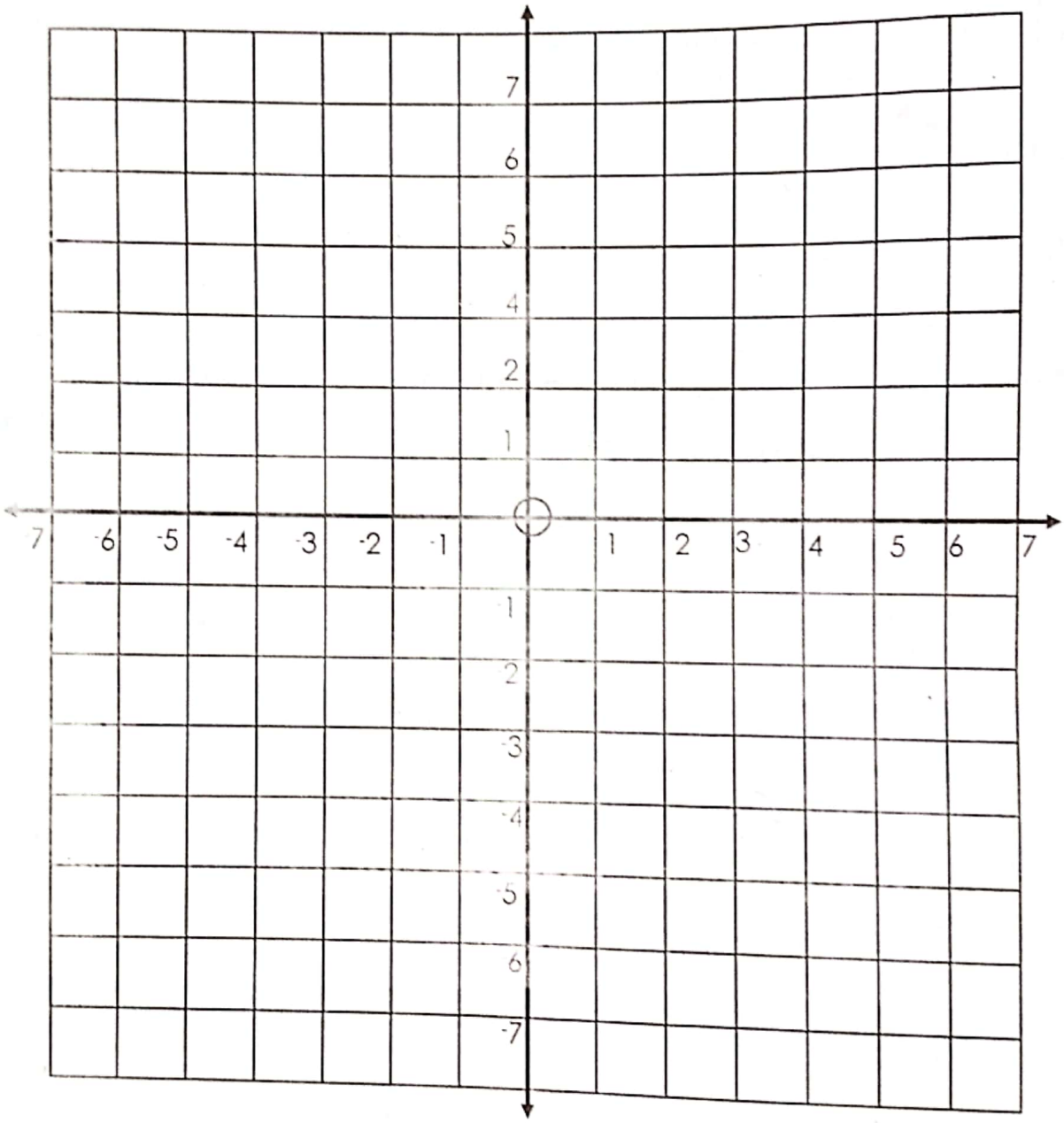
(b) If he started the journey at 11:30am at what time did he complete the journey.

(2mks)

32. (a) On the grid below plot, A(-3,2) B(3 , 2) C(3 -6) and D(-3, -6) (4mks)

(b) Join A to B, B to C, C to D and D to A.

Find the area of the figure formed (2mks)



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