



THE PEARL EDUCATIONAL CONSULT KAMPALA SCHOOLS SCHOOL

PLACEMENT SET 1 EXAMINATION 2024 PRIMARY SEVEN MATHEMATICS

Time allowed: 2 hours 30 minutes

Name: _____

School: _____

District _____ Stream _____

Read the following instructions carefully:

1. The paper has **two** sections: **A** and **B**
Section **A** has 20 questions (40 marks)
Section **B** has 12 questions (60 marks)

FOR EXAMINER'S USE ONLY

2. Answer **ALL** questions. All answers to both Sections A and B must be written in the spaces provided.

FOR EXAMINER'S USE ONLY

3. All answers must be written using a blue or black ball pen or ink. Diagrams should be drawn in pencil.

4. Unnecessary crossing of work may lead to loss of marks.

5. Any handwriting that cannot be easily read may lead to loss of marks.

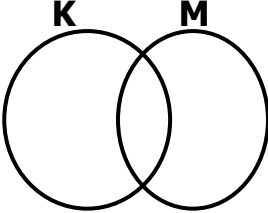
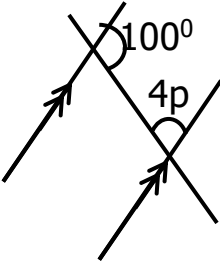
6. Do **not** fill anything in the boxes indicated;
"For Examiner's use only."








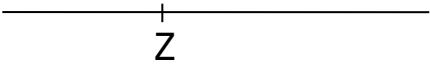
Qn. No	MARK	SIGN
1 – 10		
10– 20		
21 – 22		
23 – 24		
25 – 26		
27– 28		
29- 30		
31		
32		
TOTAL		

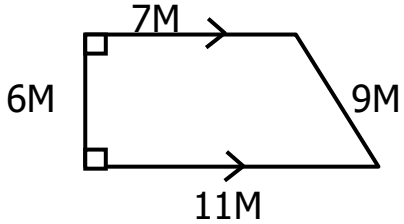
@PLE@2024 QUALITY ASSURANCE

THE PEARL EDUCATIONAL CONSULT KAMPALA SCHOOLS
ALWAYS USE THE PEARL STANDARD WORK BOOKS, COMPANION BOOKS, HOME WORK,
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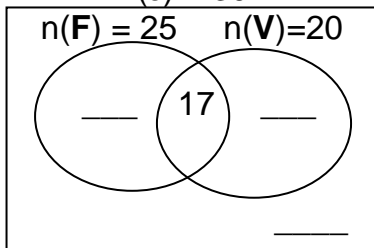
SECTION A (40 MARKS)
(Each question in this section carries two marks.)

1.	Add: $\begin{array}{r} 2\ 1\ 3 \\ +\ 2\ 1 \\ \hline \\ \hline \end{array}$	2.	Write 94057 in words.
3.	Shade K – M on the Venn diagram below. 	4.	A circular plate has a radius of 7cm. What is its circumference? (Take $\pi = \frac{22}{7}$)
5.	Round off 14.6 to the nearest whole number.	6.	Find the square root of $12\frac{1}{4}$.
7.	Divide: $\frac{2}{3} \div \frac{2}{9}$	8.	Simplify: $-3 - -3$
9.	Namusoke bought a bag at Sh. 10000 and sold it at sh. 7000. What was her loss?	10.	Find the value of p in the figure below. 

11.	<p>The day's temperature records for the patients in Mengo Hospital were as follows.</p> <p>29°C, 35°C, 28°C and 32°C.</p> <p>Find the average temperature.</p>	12.	Expand 2031 using powers of ten.
13.	<p>Kakembo's bag contains 6 blue and 8 red pencils. Find the probability of picking a red pencil at random from the bag.</p>	14.	Convert 2800 g to kg.
15.	<p>A factory produces 205 bags of cement daily. How many bags of cement does it produce in 34 days?</p>	16.	<p>Given that  represents 14 balls.</p> <p>How many balls are represented by</p> <p>      ?</p>
17.	<p>Solve: $2k + 1 = 11$.</p>	18.	<p>Using a pencil, a ruler and a pair of compasses only, construct an angle of 30° at point Z.</p> <p style="text-align: center;">  </p>

19.	A baby was laid down to sleep at 2:30 p.m. and woke up at 5:45 p.m. How long did the baby sleep?	20.	Find the area of the figure below. 
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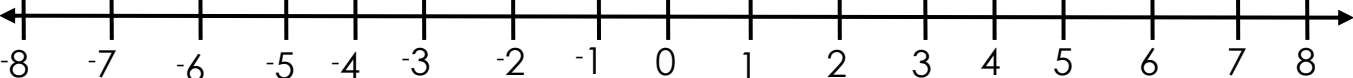
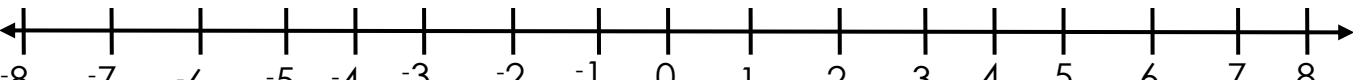
SECTION B

21.	Simplify: $\frac{0.12 \times 0.6}{0.2 \times 0.3}$ 3 marks	b) $\frac{2}{3} - \frac{4}{5} + \frac{1}{2}$ 2marks
22.	In a school team of 30 pupils, 20 play volley ball (V), 25 play Football (F) while 17 play both games. If y pupils do not play any of the two games,	
	<p>a) Complete the Venn diagram below using the above information</p> <div style="text-align: center;">$n(\epsilon) = 30$ $n(F) = 25$ $n(V) = 20$ </div> <p style="text-align: right;">3 marks</p>	<p>b) How many pupils play neither Volley ball nor Football?</p> <p>(c)How many pupils play only one game?</p>

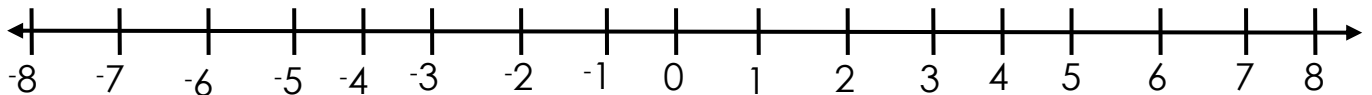
- | | |
|-----|---|
| 23. | <p>Kalule went shopping and bought the following items.</p> <ul style="list-style-type: none">1 $\frac{1}{2}$ kg of sugar at Shs. 4000 each Kg.750 gm of ghee at Shs. 8000 per Kg.2 kg of meat at Shs. 7500 per Kg.A bunch of matooke at Shs. 14000. <p>(a) Calculate his total expenditure.</p> <p style="text-align: right;"><i>3 marks</i></p>

<p>(b) If Kalule was given change of Shs. 9000, how much money did he have at first?</p> <p style="text-align: right;"><i>1 mark</i></p> |
|-----|---|

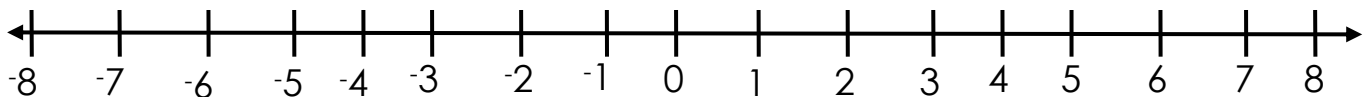
1 mark

24. Use a number line to work out.
- (a) $-6 + +10$ (2 marks)
- 
- (b) 5×2 (2 marks)
- 

(2 marks)



(2 marks)



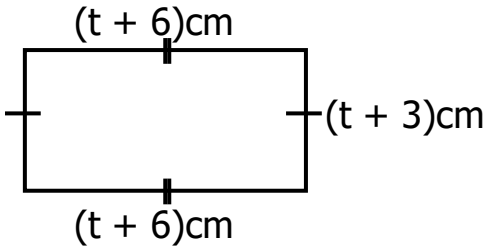
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|-----|---|----------------|--|-----------|
| 25. | Mukiibi scored the following marks in the test.
80, 60, 20, 50 and 60 | | | |
| | Find
a) mean | <i>2 marks</i> | | b) median |

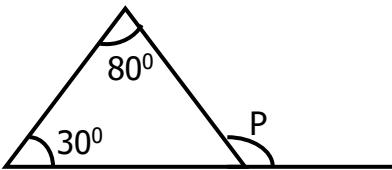
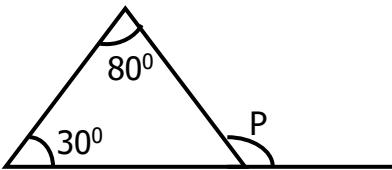
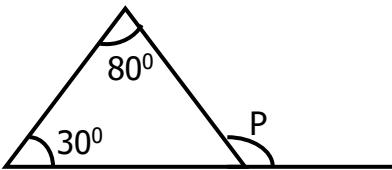
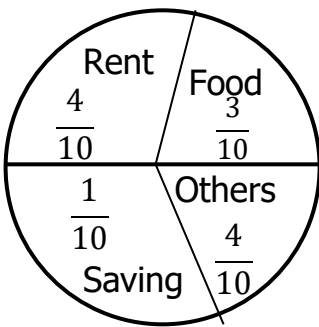
Find
a) mean

2 marks

b) median	2 marks
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	c) Mode <i>1 mark</i>		d) range <i>1 mark</i>
26.	<p>Using a ruler, a pencil and a pair of compasses only, construct triangle ABC in which line AB = 8cm, angle BAC = 60° and angle ABC = 45°.</p> <p><i>5 marks</i></p> <p>(b) Measure line AC.</p>		
27.	<p>A taxi travelled from Kampala to Mbale at 80km/hr for 3 hours. It returned from Mbale to Kampala taking 5 hours.</p> <p>(a) Find the distance from Kampala to Mbale. <i>1mark</i></p> <p>(b) Calculate the average speed of the taxi for the whole journey. <i>4marks</i></p>		

28.	<p>a) A man's salary of sh. 24000 was shared by his two sons Yunus and Musa in the ratio of 11:13 respectively. How much did each get?</p> <p style="text-align: right;"><i>3marks</i></p>		<p>b) A farmer deposited sh. 120000 in a bank that offers an interest rate of 10% per year. How much interest will the farmer get in 2 years?</p> <p style="text-align: right;"><i>2marks</i></p>
29.	<p>The figure below is a rectangle; use it to answer questions that follow.</p> <div style="display: flex; align-items: center; justify-content: space-between;"> <div data-bbox="191 821 672 1066">  </div> <div data-bbox="737 814 1511 863" style="text-align: right;"> <p>(a) Find the value of t. <i>2 marks</i></p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div data-bbox="147 1108 808 1444" style="width: 48%;"> <p>(b) What is the perimeter of the rectangle?</p> <p style="text-align: right;"><i>3marks</i></p> </div> <div data-bbox="808 1108 1560 1444" style="width: 48%;"> <p>Calculate the area of the figure.</p> <p style="text-align: right;"><i>1mark</i></p> </div> </div>		
30.	<p>a) Mayi is 4 times as old as Mariam. Their total age is 45 years. How old is Mayi?</p> <p style="text-align: right;"><i>3marks</i></p>		<p>b) Solve: $2(t - 3) = 10$.</p> <p style="text-align: right;"><i>2marks</i></p>

31.	<p>(a) Nakato was facing East. She turned clockwise to face South West. What angle did she make? 2 marks</p>		
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 10px; vertical-align: top;"> <p>(b) Find the size of angle p. 1 mark</p>  </td><td style="width: 50%; padding: 10px; vertical-align: top;"> <p>c) Find the centre angle of a regular pentagon. 1 mark</p> </td></tr> </table>	<p>(b) Find the size of angle p. 1 mark</p> 	<p>c) Find the centre angle of a regular pentagon. 1 mark</p>
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32.	<p>The pie-chart below shows how a man spends sh. 30000. Use it to answer questions that follow.</p> <div style="display: flex; align-items: center; justify-content: space-between;"> <div style="text-align: center;">  </div> <div style="text-align: right;"> <p>(a) How much does he spend on food? 1 mark</p> </div> </div>		
	<p>b) How much more does he spend on Rent than others? 2 marks</p>		
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 10px; vertical-align: top;"> <p>c) Change the fraction for food to degrees. 1 mark</p> </td><td style="width: 50%; padding: 10px; vertical-align: top;"> <p>d) What percentage does he save? 1 mark</p> </td></tr> </table>	<p>c) Change the fraction for food to degrees. 1 mark</p>	<p>d) What percentage does he save? 1 mark</p>
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GOOD LUCK