

## THE NERDS EXAMINATION SERIES

## P.7 EXAMINATIONS 2024 (SET 4)

## **MATHEMATICS**

Time allowed: 2hour30minutes

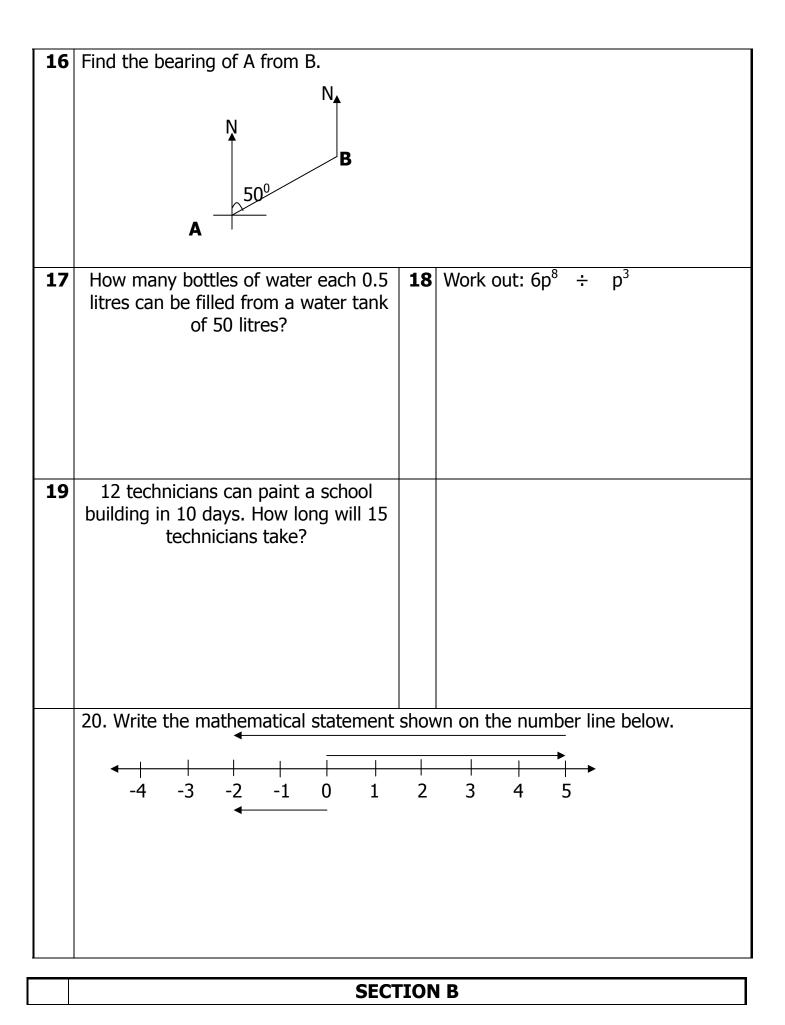
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DIS	STRIC	CT NA	ME							
RE	READ THE FOLLOWING INSTRUCTIONSCAREFULLY:									
1. This paper has two sections A and B										
		e worki rovided	•	oth sect	tions A	and B s	hould be	show	n in the	,
3. All working must be done using blue or black point pen or fountain pen. Diagrams must be drawn in Pencil										
4. L	4. Unnecessary changes of work may lead to loss of marks									
5. Any handwriting that cannot be easily read may lead to loss of marks										
6. I	o no	t fill in	anythii	ng indic	eated for	r exami	ners use	only a	and thos	se
inside the paper										
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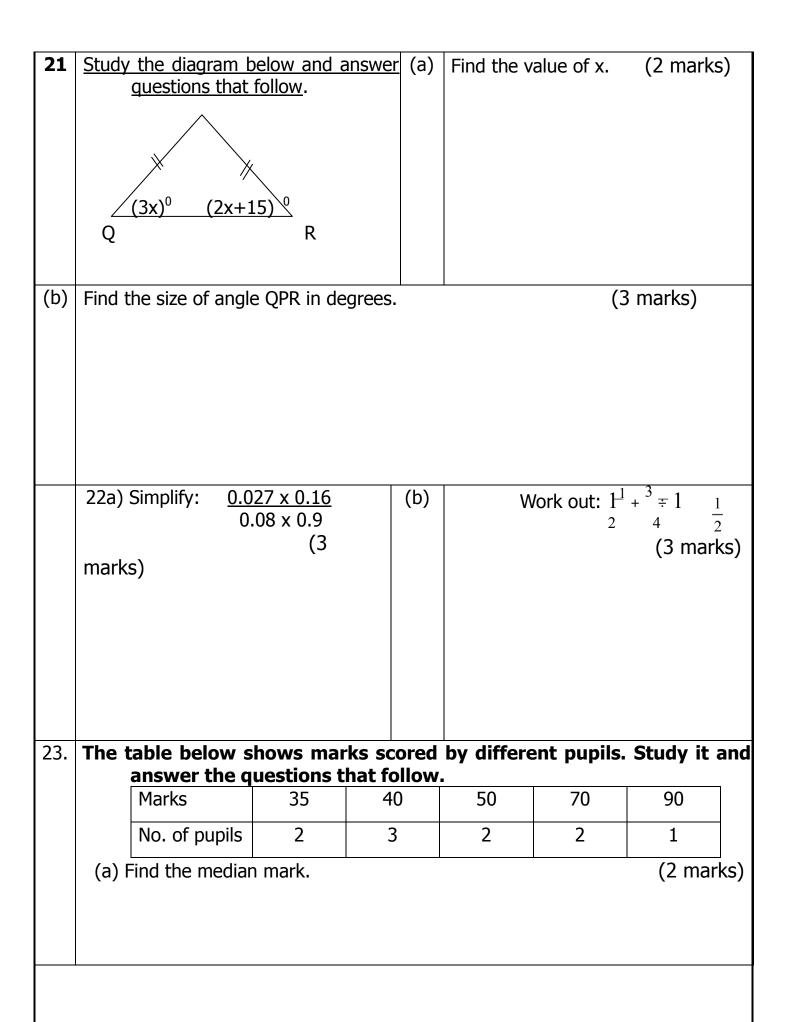
**TOTAL** 

	SECTION A: (40 MARKS)						
	Work out: 2 4 0	2.	Write 149 in Roman numerals.				
	<u>+ 5 8</u>						
		4					
3.	Describe the shaded region.	4.	What is the cost of 250 grams of sugar at 3200 per kg?				
	A R						
5.	The average of 5 numbers is 20. Find the sum of the numbers.	6.	Work out: $\frac{1}{9}$ x $\frac{3}{5}$				
	the sum of the numbers.						
7.	A meeting started at 8:30 a.m. and lasted 50 minutes. At what time did it end?	8.	Solve the inequality: $2x + 4 \leq 6$				
9.	Using a pair of compasses, a pencil ar apart.	nd a	ruler only, construct parallel lines 3cm				
	•						

10.	What is the square root of $\frac{1}{4}$ 12	? 11.	Decrease 420 books by 30%
12	Work out: 1 1 0 <sub>two</sub> x 1 1 <sub>two</sub>	13	If today is Wednesday, what day of

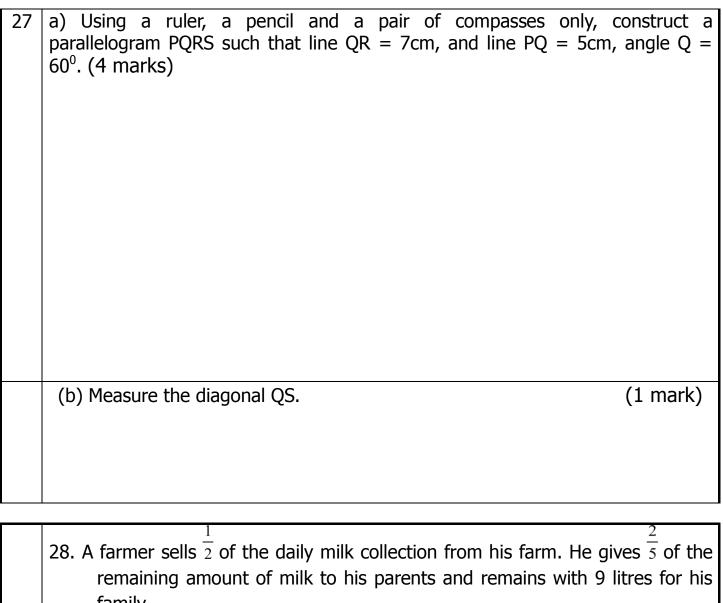
12	Work out: 1 1 0 <sub>two</sub> x 1 1 <sub>two</sub>	13	If today is Wednesday, what day of the week will it be 23 days from now?
14	Find perimeter of the figure below.	15	What number is expanded to give;
	8m 3m		$(2 \times 10^3) + (7 \times 10^2) + (5 \times 10^1) + (8 \times 10^0)$
	4m		
	5m		





(b)	Find the modal mark. (1 mark	(c) Find the mean mark.
	Tima die modal mark. (I mark	
		(2 marks)
24	a) Write 824.57 in expanded form	(b) Write 2 2 2 2 2 in words.
	using powers. (2 marks)	(1 mark)
		(a) What is the place value of 2 in
		(c) What is the place value of 3 ir the number 321 <sub>five</sub> ? (1 mark)
		the namber 321 live. (1 mark)
25		to Mbale and Kampala leave after every 40
		pectively. The first buses to the two towns At what time will buses to the two towns
	leave Jinja together again?	(5 marks)

or any other drink.	le at a birthday party who like soda or been both types of drinks and 40 people like soo (2 marks) a.
(b) How many people like beer? (2 marks)	(c) How many people like soda only? (1 mark)



Okot bought the following items from the market.

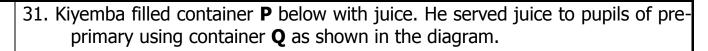
3kg of sugar at shs. 3400 per kg.

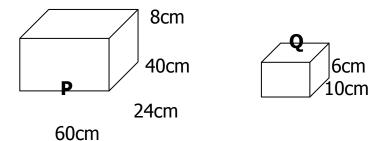
1½ kg of rice at shs. 3600 per kg.

1500 grams of maize flour at shs. 3000.

8 mangoes at shs. 500 each.

	(a) Calculate his total expenditure.  (4 marks)	(b)	Find his change if he had shs. 30000. (1 mark)
30	Solve: $p-1 = 2p + 5$ (2 marks)		Solve for y: $\frac{2y + 2}{3} = \frac{y + 3}{3}$ 2  (3 marks)





Find the total number of full containers (Q) of juice he served. (4 marks)

