

VICTORY STEP EDUCATION SERVICES PRIMARY SIX BOT EXAMINATION

2023

MATHEMATICS

Personal No:

Time Allowed: 2 hours 15 minutes

Candidate's	Nam	ne:			 	 	 	
Candidate's	sıgn	ature	e:	•••••	 	 	 	
District ID N	lo:							
	10.							

Read the following instructions carefully:

Random No:

 Do not forget to write your school or district on the paper

School Name:

- This paper has two sections: A and B.
 Section A has 20 questions and section B has 12 questions.
- 3. Answer **all** questions. All answers to both Sections **A** and **B** must be written in the spaces provided.
- 4. All answers must be written using a **blue** Or **black** ball point pen or ink. Any work Written in pencil will not be marked.
- 5. Unnecessary changes in your work and handwriting that cannot be read easily may lead to loss of marks.
- 6. Do not fill anything in the table indicated "FOR EXAMINER'S USE ONLY"

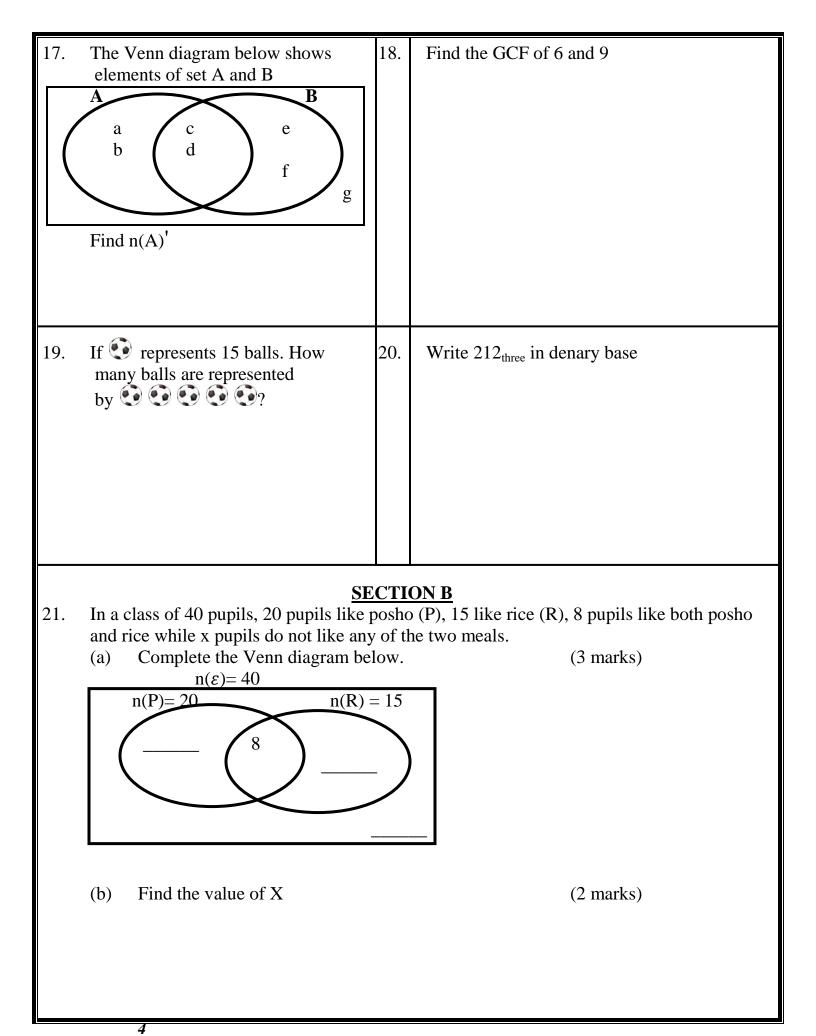
FOR EXAMINER'S USE ONLY					
QN. NO.	MARKS	EXR'S NO.			
1 -5					
6 - 10					
11 - 15					
16 - 20					
21 - 22					
23 - 24					
25 - 26					
27 - 28					
29 - 30					
31 - 32					
TOTAL					

©2023 VSES 0776685566/0708758922

Turn Over

	SECTION A							
1.	Add: 9 + 11	2.	Write 145 in Roman numerals					
3.	Work out 0.3×0.4	4.	Simplify 6r + 12p -r +3p					
5.	Prime factorize 60 and write your answer in set notation form.	6.	Workout: 4 – 10					
7.	Find the value of y	8.	Find the mean of 5, 9, 6 and 4					
	2y							

9.	Divide: $\frac{3}{4} \div \frac{1}{2}$	10.	Construct an angle of 60° in the space below.
11.	Express 5kg to grams	12.	Use distributive property to work out (5 x 17) + (83 x 5)
13.	Work out the square of 9	14.	Shade $\frac{2}{3}$ of the diagram.
15.	Write the next two numbers in the sequence: 1, 4, 9, 16, 25,,	16.	Musoke will visit her aunt next week. What is the probability that he will visit on a day that starts with letter T?



22.	Given	the	number	4876

(a) Find the sum of the values of 4 and 7

(3 marks)

(b) Write of 4876 in standard form.

(2 marks)

23. Arrange $\frac{5}{6}$, $\frac{7}{12}$ and $\frac{4}{5}$ in ascending order.

(4 marks)

24. Donso went to the supermarket and bought the following items.

3 kg of meat at sh. 10,000 a kg

2 bars of soap at sh. 7,000 a bar

3 litres of milk at sh. 1000 per litre

 $\frac{1}{2}$ kg of sugar at sh. 5000 a kg

(a) Calculate his total expenditure.

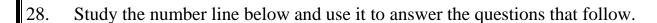
(4 marks)

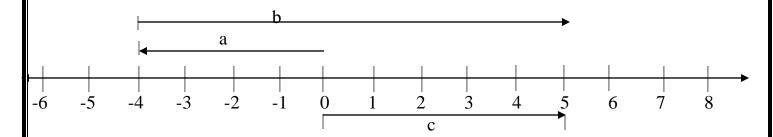
(b) Find her change if she went with a fifty thousand shilling note. (1 mark)

25. (a) If r = 4, p = 10 and c = 5. Find the value of $\frac{r}{c}$ (2 marks)

(b) Alice is 10 years older than Judith. If their total age is 40 years, how old is Judith? (3 marks)

26.	Study the figure below and use it to answer the questions that follow.								
		(a) How many faces does the figure	re have? (1mark)						
	6c	rm							
	(b) If	the area of the shaded part is 30cm^2 . Find the value of x	(2 marks)						
	(c) Calcu	alate the volume of the figure above.	(2 marks)						
27.	(a) Th	ne sum of three consecutive odd numbers is 45. Find the numbers.	(3marks)						
	(b) W	That is the sum of all prime numbers less than 10?	(2 marks)						





(a) Write the integers represented by letters.

(1 mark each)

(i) a

(ii) b

- (iii) c
- (b) Write the Mathematical sentence for the above number line. (1 mark)

29. If
$$P = \{ 2_1, 3_1, 3_2, 5_1 \}$$
 $Q = \{ 2_1, 2_2, 3_1, 7_2 \}$

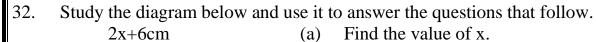
- (a) Find the value of:
- (i) P
- (2marks)
- (ii) Q
- (2marks)

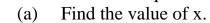
(b) Calculate the LCM of P and Q

(2 marks)

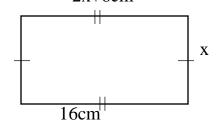
(i) L.C.M

30.	(a)	Construct a square ABCD of side 5cm	(4 marks)
	(b)	Work out its perimeter.	(1 mark)
	(0)	work out its perimeter.	(1 mark)
31.		bells at St. John's Primary School are sounded at an interval of 30	0 minutes and 40
		tes for lower and upper Primary respectively.	
	(a) Af	fter how many hours will the two bells be sounded together again	? (4 marks)
	(b) If	they were first sounded at 9:00a.m., when will they be sounded	-
			(1mark)





(2 marks)



Calculate the area of the figure. (a)

(2 marks)

Work out its perimeter. (c)

(2marks)