



PRAISE EDUCATION SERVICES

2022 MATHEMATICS TARGET

SET ONE

Time allowed: 2 hours 30 minutes

Pupil's name :

Pupil's signature :

School name :

District name :

Read the following instructions carefully:

1. This paper has two sections **A** and **B**.
Section **A** has **20 questions** and Section **B** has **12 questions**. This paper has **15 printed pages**.
2. Answer **all** questions. All the working for both sections **A** and **B** must be shown in the spaces provided.
3. **All** working must be done using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
4. Unnecessary **changes** in your work and handwriting that cannot be easily read may lead to **loss of marks**.
5. **No calculators** are allowed in the examination room
6. Do not fill anything in the table indicated: **"For Examiners' use only"** and the boxes inside the question paper

FOR EXAMINERS' 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		

SECTION A: 40 MARKS

Answer **all** questions in this section

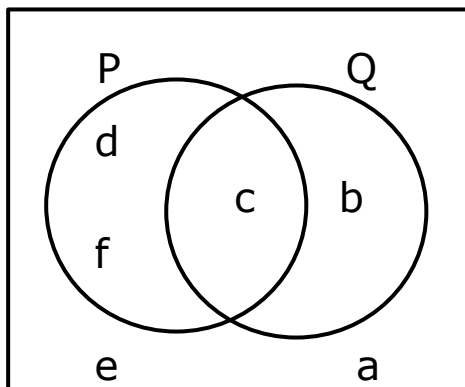
Questions **1** to **20** carry two marks each

1. Work out: $632 + 145$

2. Simplify: $4y + y - 2y$

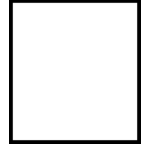
3. Work out: $\frac{5}{9} + 1\frac{4}{9}$

4. Use the Venn diagram below to find $n(P \cup Q)'$



5. Find the next number in the sequence:

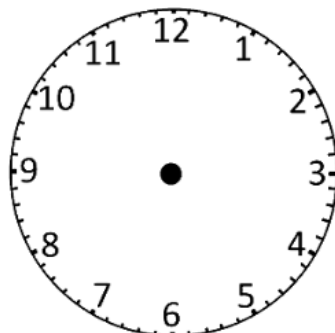
1, 4, 7, 10,



6. Convert 24_{five} to decimal system.

7. Ogalal will go to Pallisa next week. What is the probability that he will go on a day starting with letter 'S'?

8. On the clock face below, show 'twenty five minutes past nine'



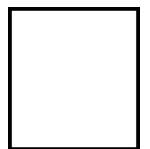
Turn Over

9. Simplify: $^{-}6 - ^{+}2$

10. The prime factors of x are given below.

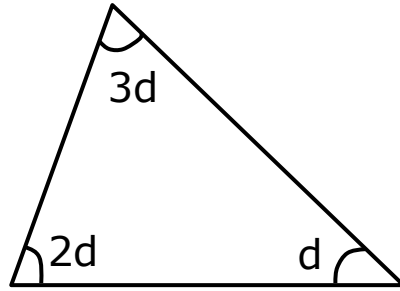
$$Fx = \{2_1, 2_2, 3_1, 5_1\}$$

Find the value of x.



11. Change 2.3 metres into centimetres.

12. In the diagram below, find the value of d in degrees.



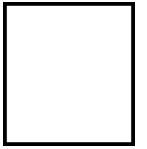
13. Express 0.75 as a simplified common fraction.

14. Work out:

Weeks	Days
5	3
+ 2	4
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Turn Over

15. Adwaro bought 18 books at sh 3,000 per pair. How much money did she spend on books?



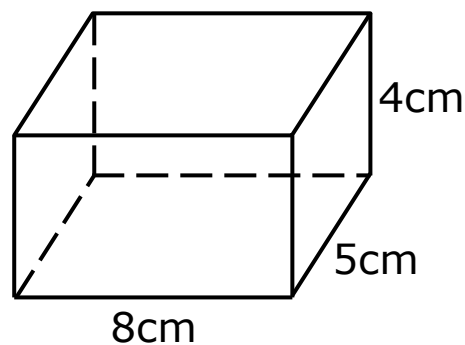
16. A motorist covers 60 kilometres in $1\frac{1}{2}$ hours. Find the speed of the motorist in kilometres per hour.

17. Find the radius of a circle whose diameter is 21cm.

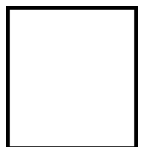
18. Using a ruler, a pencil and a pair of compasses only, construct an angle of 90°

19. Fameika is 8 years younger than Zamba who is 36 years old. How old will Zamba be when Fameika is 43 years?

20. Below is a rectangular prism. Use it to answer the question that follows.



Calculate the volume of the prism above.



Turn Over

SECTION B: 60 MARKS

Answer **all** questions in this section.

Marks for each question are indicated in brackets

21. Given the numeral: 245

(a) Write the given numeral using Roman number system.

(2 marks)

b) Work out the difference between the value of 2 and the value of 5 in the given numeral.

(3 marks)

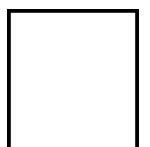
22.(a) Work out: 6 4 8 . 2 5

(2 marks)

$$\begin{array}{r} 648.25 \\ + 39.85 \\ \hline \\ \hline \end{array}$$

(b) Express $\frac{3}{8}$ as a decimal fraction.

(2 marks)

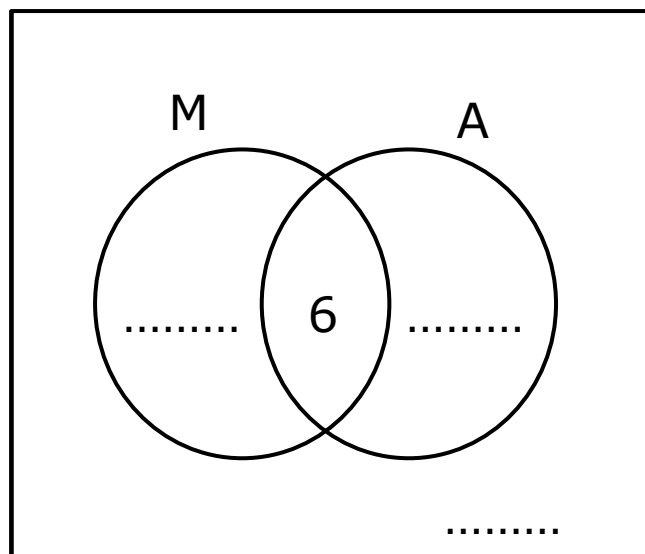


23. In a class, pupils like music (M) and art (A). y pupils like music only, 6 like both music and art. 2 pupils like neither of the two subjects while 5 pupils do not like music. The class has 19 pupils altogether.

(a) Use the above information to complete the Venn diagram below.

$$n(\mathcal{E}) = 19$$

(3 marks)



(b) Solve for y .

(2 marks)

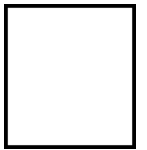
Turn Over

24. Cate went shopping and bought the following items

- 2kg of meat at sh 12,000 per kg
- 3 bars of soap at sh 5,000 each bar
- $1\frac{1}{2}$ kg of sugar at sh 4,000 a kg

(a) Find her total expenditure.

(4 marks)



(b) If she remained with sh 5000, how much money did she have at first?

(2 marks)

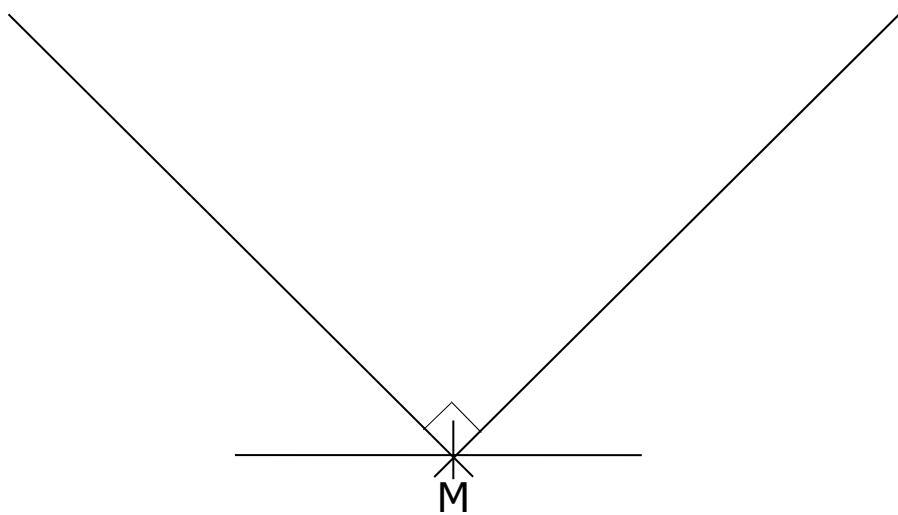
25. (a) Find the missing number: $\frac{3}{7} = \frac{12}{\square}$

(2 marks)

(b) Given that $\frac{4}{9}$ of a number is 16. Find the number. (2 marks)

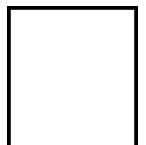
26. A primary seven pupil was told to draw a square MTNR of sides 4.5cm. The pupil started by drawing an angle of 90° at point M as shown below.

- (a) Using a ruler, a pencil and a pair of compasses only, construct and complete the square accurately. (4 marks)



- (b) Measure the length of diagonal MN. (1 mark)

MN =



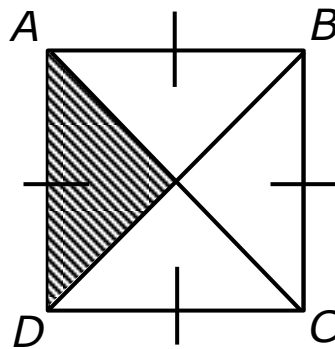
Turn Over

27. A bus driver left town X at 9:30a.m driving at a speed of 65 kilometres per hour. The driver reached town Y at 11:30a.m.

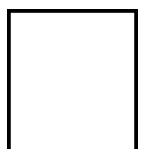
(a) Calculate the time taken by the driver to reach town Y.
(2 marks)

(b) How far is town Y from town X? (2 marks)

28. In the figure below, ABCD is a square. The area of the shaded part is 9cm^2 . Study the figure and use it to answer the question that follows.



Calculate the perimeter of the square. (6 marks)



29. A water tank contained 330 litres of water. When it rained, the volume of water in the tank increased by 150 litres. The water in the tank was sold using 20 litre jerry cans at sh 200 each.

(a) How many jerry cans were sold that day? *(4 marks)*

(b) How much money was collected altogether? *(2 marks)*

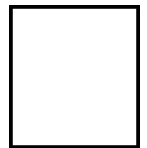
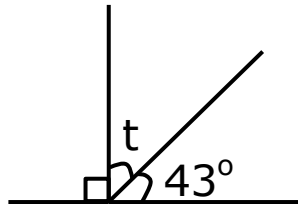
Turn Over

30. (a) Work out the complement of 36°

(2 marks)

(b) In the diagram below, find the value of t in degrees.

(2 marks)



31. (a) Given that $m = 3$ and $n = 4$. Find the value of $mn + 2n$

(2 marks)

(b) Amoti is 2 years younger than Kapere. Their total age is 18 years. How old is Amoti?

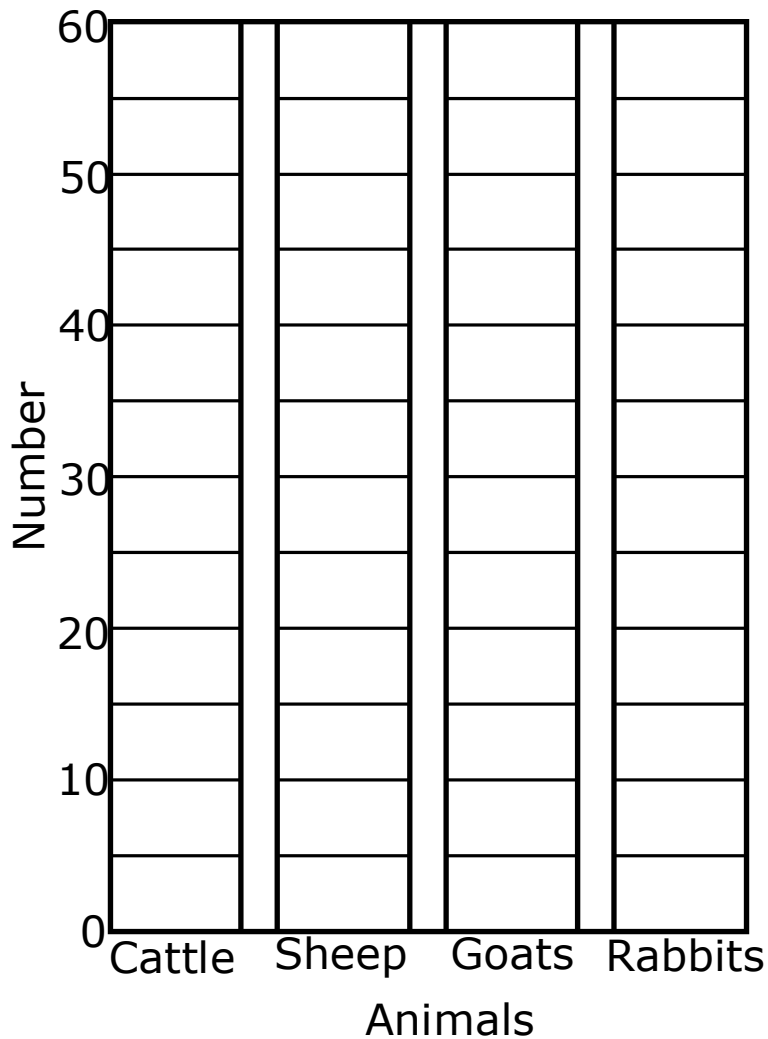
(3 marks)

32. The table below shows the number of animals on Zedde's farm. Use it to answer the questions that follow.

Animals	Cattle	Sheep	Goats	Rabbits
Number	45	30	50	15

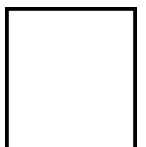
(a) Represent the above information on the graph below.

(4 marks)



(b) Find the fraction of goats on the farm.

(2 marks)



END