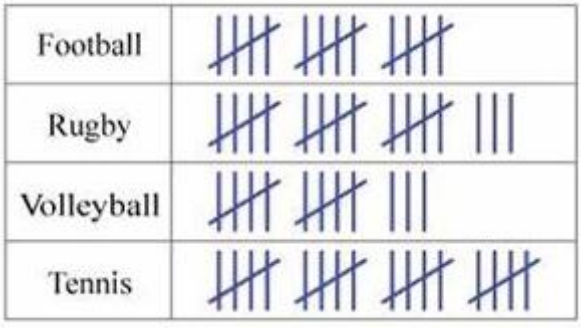
ITL PUBLIC SCHOOL
PRE ANNUAL EXAMINATION (2024-25)

DATE: **MATHEMATICS** **Class: V**

TIME: 2 hours **M.M: 50**

NAME:

Roll No:

	SECTION – A
1	a) Fill in the blanks: i) A car has 4 wheels, so 12 cars will have 48 wheels. ii) Any information in the form of figures is called data iii) Representation of data using rectangles is called bargraph iv) Any information represented in the form of figures or symbols is called pictograph v) 34.174 x 100 = 3417.4 vi) If 1  = 4 hours ,  = 6 hours b) Write the decimal form of six hundred fifty-two point four three 652.43 c) Arrange the numbers 32.56, 32.65, and 31.95 in ascending order. 31.95 < 32.56 < 32.65 d) The following tally graph shows the favourite sports of a group of students of a school. Use the chart to answer the questions i) How many students like rugby? 18 ii) How many students like football and volley ball? 28 iii) Which sports is liked by maximum students and how many students like it Tennis, 20 students  e) Find the breadth of the rectangle whose area of 220 *sq.m* and length is 55 *m* Area of rectangle = 220 *sq.m* Length = 55 *m* Breadth = Area ÷ length = 220 ÷ 55 = 4 m f) Find the volume of a cube with edge 6 *cm.* Edge = 6 cm Volume = S x S x S = 6 cm x 6cm x 6cm

= 216 cu.cm

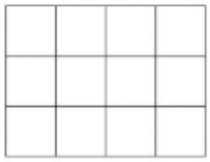
g) Find the area of the square whose side is 13 *cm*

Side =13 *cm*

Area of square = S x S

= 13cm x 13cm = 169 sq.cm

h) Find the area of the figure such that each square is of side 1cm 12sq.cm



2 The table below shows **monthly** expenses for different items. Use it to answer the questions:

Item	Cost (in ₹)
Food	2,400
Transport	500
Clothes	2,000
Entertainment	700

a) How much money is spent on food on a day? ₹ 2400 / 30 = ₹80 per day

b) How much money is spent on food in a year? 2400 × 12 = ₹28,800

c) How much money is spent on clothes in 7 months? 2000 × 7 = ₹14,000.

d) What is the total monthly expense? 2400 + 500 + 2000 + 700 = ₹5,600

3 Two friends flipped their cube and recorded with the help of pictograph. Read it carefully and answer the questions:

a) How many times they got 2? 17

b) Which number they got most? No.4

c) Which number they got 10 times?

No.4

d) How many times they got 6? 5

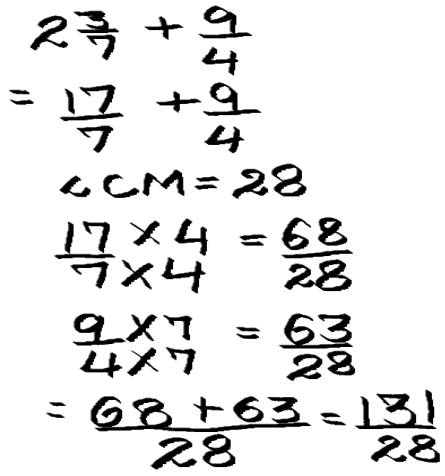
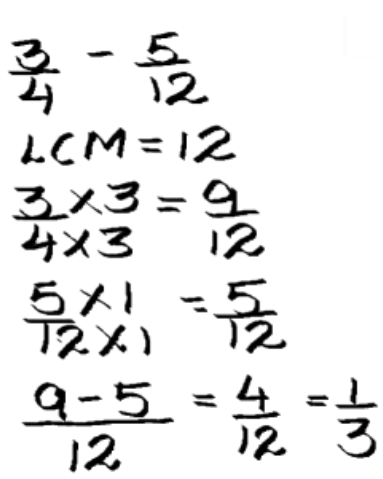
e) Which 2 numbers they got for the same times? No 3 and 6

SECTION – B

4 The volume of a cuboid is 480 cm³. If its length is 10 cm and width is 6 cm, find its height.

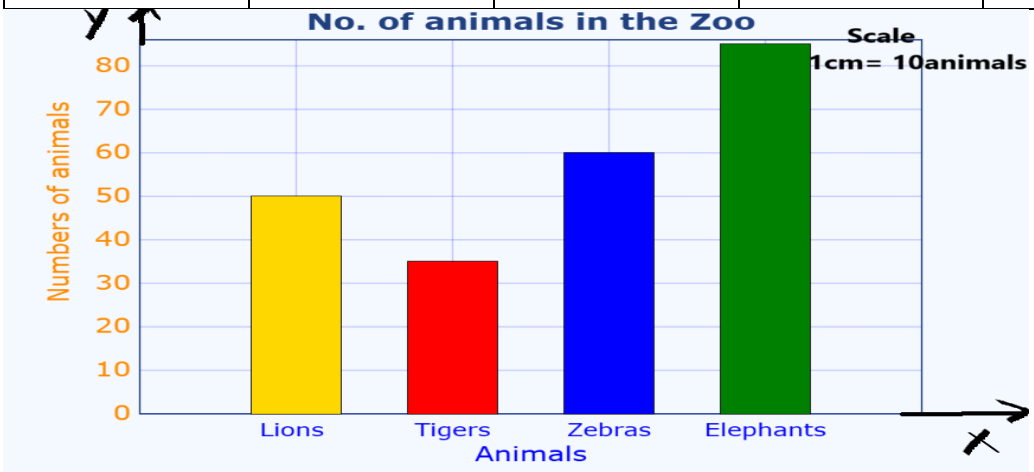
Volume = 480 cm³

Length = 10 cm, Width = 6cm

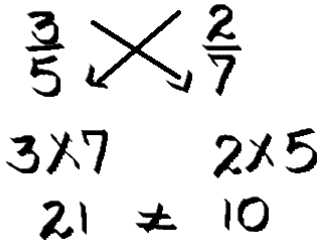
	Height = Volume = 480 (Length × Width) (10 × 6) 480 ÷ 60 = 8 cm.
5	a) Convert into an improper fraction: i) $3\frac{3}{5}$ = $\frac{18}{5}$ ii) $7\frac{2}{3}$ = $\frac{23}{3}$ b) Convert into mixed fraction: i) $\frac{17}{8}$ = $2\frac{1}{8}$ ii) $\frac{23}{6}$ = $3\frac{5}{6}$
6	Find the length of fence required to fence a rectangular plot with length 20 m and breadth 15 m. What will be the cost of fencing it at ₹5 per meter? Perimeter of plot = 2 x (Length + Breadth) = 2x (20 + 15) m = 2 x 35m = 70m Cost of fencing plot = 70 × 5 = ₹350 Hence, the cost of fencing field is ₹350
7	Solve: a) Find the sum of : $2\frac{3}{7}$ and $\frac{9}{4}$ b) Subtract $\frac{5}{12}$ from $\frac{3}{4}$  
8	Write the expanded form of 45.089 in decimal and fractional forms. 45.089 = 40 + 5 + 0.08 + 0.009. Fractional form: 40 + 5 + 8/100 + 9/1000.
	SECTION – C
9	A factory produces 120 toys every day. How many toys will it produce in 45 days? If each box can hold 30 toys, how many boxes are required to pack all the toys? No. of toys factory produces everyday = 120 Number of days = 45 Total toys produced = 120 × 45 = 5400 No. of toys each box holds = 30 Number of boxes required = 5400 ÷ 30 = 180

	Hence, 180 boxes are required to pack 5400 toys
10	a) Find the sum of 14.25, 23.1, and 9.65 14.25 + 23.10 + 9.65 = 47.00 b) Subtract 32.17 from 50 50.00 - 32.17 = 17.83
11	The following table shows the population of animals in a zoo. Draw a bar graph to represent the data.

Animals	Lions	Tigers	Zebras	Elephants
Number of Animals	50	35	60	85



12	How many squares of side 2 cm can be cut out of a rectangular sheet measuring 20 cm by 16 cm? Dimensions of rectangular sheet = 20 cm × 16 cm Side of square = 2 cm Area of rectangular sheet = l x b = 20cm x 16cm Area of squares = S x S = 2cm x 2cm No. of square cut = Area of rectangular sheet = 20 cm x 16 cm Area of square 2 cm x 2 cm = 320 ÷ 4 = 80 Hence, 80 squares will be cut out of rectangular sheet
13	a) Classify the following fractions as proper, improper, mixed or unit: i) $12\frac{1}{6}$ = Mixed ii) $\frac{43}{23}$ Improper iii) $\frac{11}{15}$ =Proper iv) $\frac{1}{56}$ = Unit b) Check whether $\frac{3}{5}$ and $\frac{2}{7}$ are equivalent or not



They are not equivalent fractions

c) A vessel had $\frac{4}{7}$ litres of water. From it, a cat drank $\frac{1}{14}$ litres of water. How much water was left in the vessel?

Amount of water in a vessel = $\frac{4}{7}$ l

Amount of water cat drank = $\frac{1}{14}$ l

Amount of water left in the vessel = $\frac{4}{7} - \frac{1}{14}$

LCM = 14

$\frac{4}{7} \times \frac{2}{2} = \frac{8}{14}$

$\frac{1}{14} \times \frac{1}{1} = \frac{1}{14}$

$\frac{8-1}{14} = \frac{7}{14}$ l

Hence, $\frac{7}{14}$ l of water will be left in the vessel