પુષ્પા International School
Shree Swaminarayan Gurukul, Zundal

ASSIGNMENT OF SUMMATIVE 2 (2020-21)

CLASS-V1 **SUB-MATHS**

Multiple Choice Questions: [1 MARK QUESTION]

Chap 7

1. The fraction which is not equal to 4/5 is

a. 40/50 b. 12 /16 c. 16/20 d. 9/15

2. If 5/8 = 20/p, then value of p is

a. 23 b.2 c. 32 d. 16

3. Sum of 4 / 17 and 15 / 17 is

a. $2\frac{1}{17}$. b. $1\frac{1}{17}$. c. . $3\frac{1}{17}$. d. $1\frac{2}{17}$.

4. Which of the following fraction is smallest?

a. 16/23 b. 17/23 c. 9/23 d. 11/23

5. Which of the following is not in the lowest form?

a.. 7/5 b. 15/20 c. 13/33 d. 27/28

Chap 8

1. 0.023 lie between

a. 0.2 and 0.3 b. 0.02 and 0.03 c. 0.03 and 0.029 d. 0.026 and 0.024

2. 0.74 99 lies between

a. 0.7 and 0.74 b. 0.75 and 0.79 c. 0.749 and 0.75 d. 0.74992 and 0.75

3. The decimal 0.238 is equal to the fraction

a. 119/500 b. 238/25 c. 119/25 d. 119/60

4. Which of the following decimal is the smallest?

a. 0.37 b. 1.52 c. 0.087 d. 0.105

5. 0.07 + 0.008 is equal to

a. 0.15 b. 0.015 c. 0.078 d. 0.78

Chap – 9

Fore question number 1 to 5 the marks obtained by 10 student in science test are given below:
53, 36, 95, 73, 62, 42, 25, 78, 75, 62

Answer the following questions that are related to the given data

1. The maximum marks obtained by the student is
   a. 60 b.95 c. 78 d. 25

2. The minimum marks obtained by the student is
   a. 42 b. 36 c. 25 d. 73
3. How many students got the same marks?
   a. 3 b. 4 c. 2 d. None

4. How many students got 78 are more marks?
   a. 2 b. 3 c. 4 d. 1
5. How many student got marks below 62?
   a. 3 b. 4 c. 5 d. 2

Chap 10.

1. The perimeter of a triangle whose sides are 1.2cm, 3.4 cm and 1.7 cm, is
   a. 6.3cm b. 6.2cm c. 6.5cm d. 6.4cm
2. The perimeter of a rectangle, whose sides are 130 cm and 70 cm, is
   a. 20m b. 4m c. 0,2m d. 2m 30cm
3. The side of a square is 10 centimetre. How many times wills the new perimeter becomes, if the side of the square is doubled?
   a. 2 times b. 4 times c. 6 times d. 8 times
4. The perimeter of an equilateral triangle of side 5 cm each is
   a. $\frac{\sqrt{3}}{4}$ X 15 cm b. $\frac{\sqrt{3}}{4}$ X 10 cm c. 10 cm d. 15 cm
5. Cost of fencing of a rectangular Park of length 200 and width 150 at the rate of rupees 25per meter is
   a. Rs 17500 b. Rs 1750 c. Rs 1705 d. Rs 10750

Chap 11

1. Give, expression for P divided by 15 is
   a. P -15 b. P + 15 c. $\frac{p}{15}$ d. P X15
2. Which out of the following are expression which numbers only?
   a. 2x +5 b. 3x – 5 c. 3(11 – 5) + 5 x 2 d. 3Y + 5
3. Take meena's present age to be y year, what is his father's age if he is double of her age?
   a. y +2 b. y -2 c, y / 2 d. 2y
4. If each match box contains 50 matchstick, the number of the matchsticks required to fill n such boxes is
   a. 50 +n b. 50 n c. 50 / n d. 50 - n
5. Which of the following represents 6 X x ?
   a. 6x b. $\frac{x}{6}$ c. 6 + x d. 6 – x

Chap 12

1. The ratio of 6 books to 30 books is
   a. 5 : 1 b. 2 : 3 c. 1 : 5 d. 2 : 5

2. If 66: 72:: x : 96, then x is equal to

a. 108 b. 78 c. 88 d. 48

3. In a box, the ratio of red marbles to blue marbles is 7: 4. Which of the following could be the total number of marbles?

a. 18 b. 10 c. 21 d. 22

4. The ratio of the number of sides of a triangle to the number edges of a cube is

a. 4:1 b. 1:4 c. 1:3 d. 2:3

5. If 7: 30: x: 15, then x is equal to

a. 7/2 b. 2/7 c. 6 d. 7

Fill the blank: **[1 MARK QUESTION]**

Chap - 7

1. . A number representing a part of a ----------is called a fraction. (whole)
2. A fraction with numerator greater than the denominator is called an --------- fraction.(improper)
3. Fractions with the same denominators are called---------- fractions .(like)
4. 13 5/18 is a--------- Fraction. (Mixed)
5. 1 whole = ---------- tenths. (10)

Chap 8

1. 2 km 590 m is equal to--------- km. (2.590km)
2. The value of 3.64 – 1.2 is_---------- (2.36)
3. The value of 50 coins of 50 paise = Rs ---------- (25)
4. 3Hundredths +2 tenths = ---------- (0.23)
5. 4.56 + 9.25 = -------- (13.81)

Chap 9

1. A _____ is a collection of numbers gathered to give some meaningful information, (
2. The data can be arranged in a tabular for using _____ marks
3. A _____ represent data through picture of objects,
4. Representation of data in form of picture is called _____
5. In bar graph, width of rectangle is always _____

Chap 10

1. The region enclosed by a plane closed figure is called its _____
2. Area of a rectangle with length 5 cm and breadth 3cm is _____
3. Diagonal of a square is _____ side.
4. Standard unit of area is _____
5. The area of a playground is 1190 metre square. If its length is 35 metre, the width is _____

Chap 11

1. The variable can take _____ values.
2. The values of the variable in an equation which satisfies the equation is called a _____ to the equations.
3. An _____ has two sides, left hand side and right hand side, between them is the equal sign
4. The LHS of an _____ is equal to its RHS only for a definite value of the variable in the equations.
5. The distance (in km) travel in h hours at a constant speed of 40 km per hour is _____

Chap 12

1. The cost of 4 pens is Rs 40. The cost of 11 pens is _____
2. The weight of 15 boxes is 60 kg. The weight of 12 boxes is _____
3. Maya can walk 6 km in 2 hour. In 3 hour she can walk _____
4. To find the ratio of two quantities, they must be expressed in _____ unit.
5. Ratio of 5 paise to 25 paise is the same as the ratio of 20 paise to _____

Tell whether the statement is true or false:[1 MARK QUESTION]

Chap – 7

1. Fraction 19/39 is in its lowest form. True
2. Fraction 7/ 9 and 42 /54 equivalent fractions. True
3. Sum of two fractions is always a fraction. False
4. the result obtained by subtracting a fraction from another fraction is necessarily fraction. False
5. If a whole of an object is divided into a number of equal parts, then its path represents fraction. True

Chap 8

1. In the decimal form, fraction 25/8 = 3.125. True
2. The decimal 23.2 =23 2/3 False
3. The place value of a digit at the tenth place Is 1/10 times the same digit at ones place. True
4. The place value of a digit at the hundredths place is 1/10 times the same digit at the tenths place. True
5. The decimal 3.725 is equal to 3.72 correct to two decimal places. False

Chap -9

1. To represent the population of a different towns using bar graph, it is Convenient to take one unit length to represent one person.
2. Pictograph and bar graph are pictorial representation of numerical data.
3. An observation occurring five times in the data is recorded as iiiii, using Tally marks.
4. In a bar graph, the width Of bars may be an equal.
5. In a bar graph, each bar represents only one value of the numerical data.

Chap – 10

1. The perimeter of a triangle whose sides are 1.2cm, 3.4 cm and 1.7 cm, is\
2. The perimeter of a rectangle, whose sides are 130 cm and 70 cm is

3. The side of a square is 10 centimetre. How many times will the new perimeter becomes, if the side of the square is doubled?
4. The perimeter of an equilateral triangle of side 5 cm each is
5. Cost of fencing of a rectangular Park of length 200 and width 150 at the rate of rupees 25per meter is

Chap-11

1. Total distance travelled by a car in x h at a constant speed of y km/h,is x h km.
2. The perimeter of a square if each of its side is X units, is 4x units.
3. 2 is the solution of the equation x+ 4 = 5.
4. The equation 2x + 4 = 6 and 3x + 9 = 12 have the same solution.
5. In The equation 7k – 7 = 7, the variable is 7.

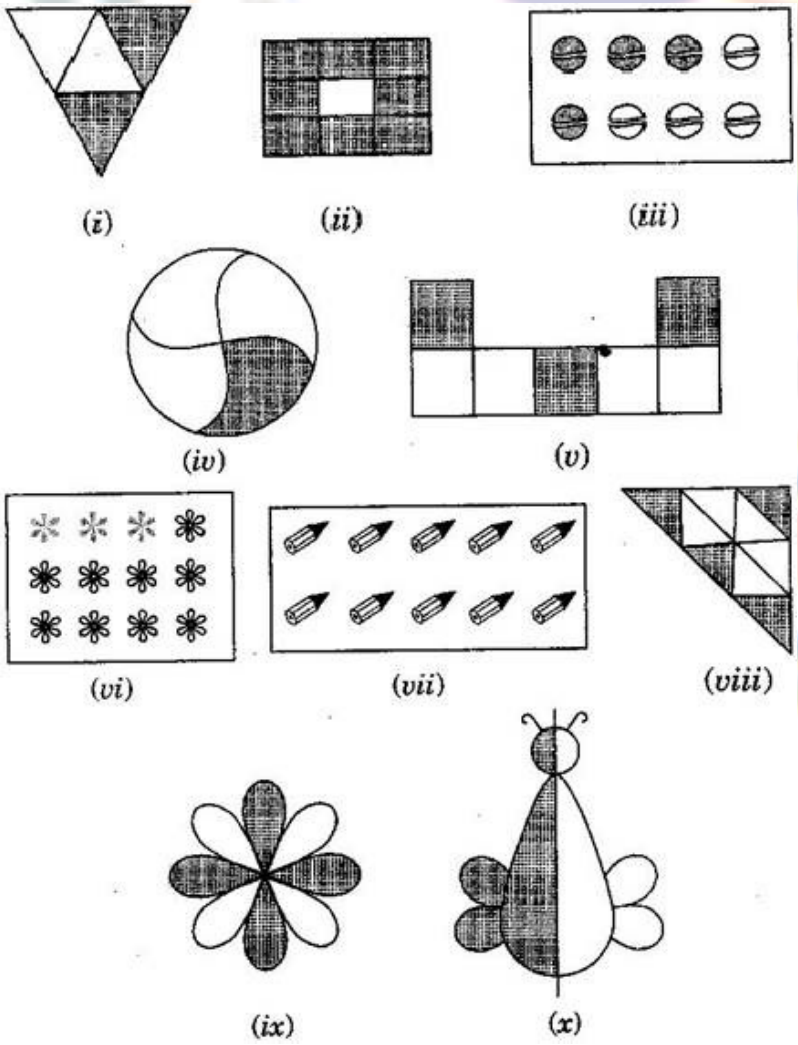
Chap - 12

1. 4:7 = 20:35
2. 15m: 40-m = 40cm: 80cm
3. The ratio of 20kg to 200kg is 1:10.
4. The ratio 8:40 is in its lowest form.
5. The ratio of 10kg to 100kg is 1:10.

Solve: Each carry one mark: [1 MARK QUESTION]

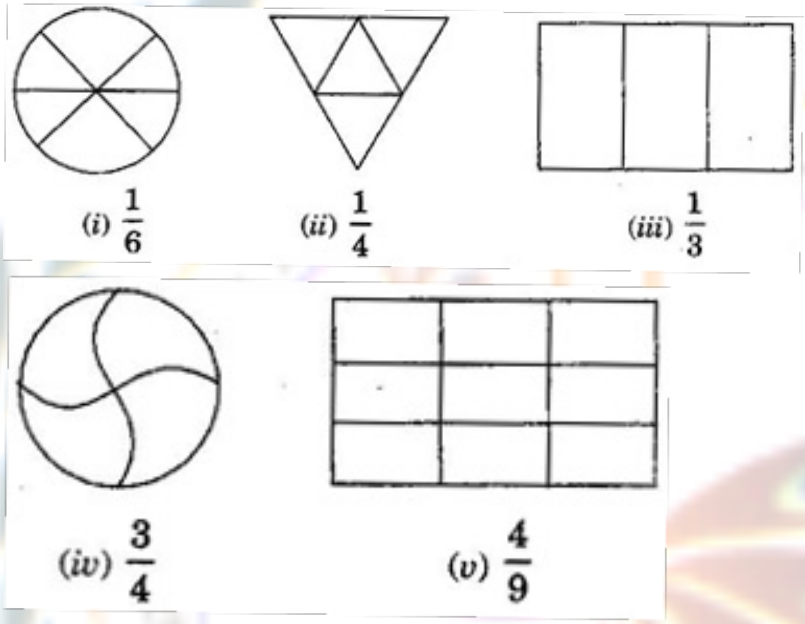
Chap – 7

1. Write the fraction representing the shaded portion:

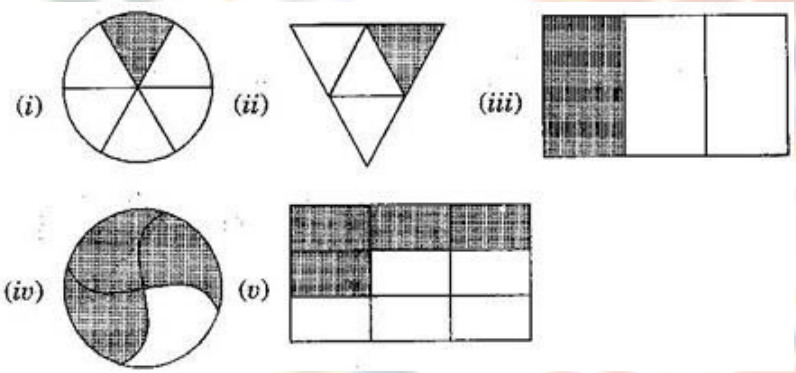


Answer: (i) $\frac{2}{4}$ (ii) $\frac{8}{9}$ (iii) $\frac{4}{8}$ (iv) $\frac{1}{4}$ (v) $\frac{3}{7}$
(vi) $\frac{9}{12}$ (vii) $\frac{10}{10}$ (viii) $\frac{4}{9}$ (ix) $\frac{4}{8}$ (x) $\frac{1}{2}$

2. Color the part according to the given fraction:



Answer:



3. Express the following as mixed fractions. (i)15/4 (ii)25/6

4. Express the following as improper fraction (i) 5 ¼ (ii) 7 2/3

5. Simplify (i) 6 – ¾ (ii) 7/12 –4/15

Chap 8

6. Write three hundred five and four hundredth as decimal form

7. Write 2.4 as fraction in lowest terms.

8. Writer v200 + 40 + 5 2/100 as decimals.

9. Arrange the following decimals in a descending order:

a) 7.3, 8.73, 73.03, 7.33,8.073 b) 8.88, 8.088, 888.8, 88.08, 8.008

10. Convert each of the following decimals as a mixed fraction: a) 7.5 b) 24.8 c) 13.25

Chap-9

1. What is the range of data?

Ans: The difference of maximum and minimum value of given data is called the range of data.

2. Find the range of data 9, 7, 2,6,1,3,4,12.

Ans: Range of data = 12 – 1 = 11

3. What kind of data is collected directly from a source?

Ans: Primary of data is collected directly from a source.

4. Find the range of data 8, 7, 5, 12, 17, 21, 4, 16.

Ans: Range of data = 21 – 4 = 17.

5. What type of data is collected from newspaper?

Ans: Secondary data is collected from newspaper.

Chap -10

1. Find the perimeter of a triangle, whose three sides are 5cm, 6cm and 7cm, respectively?

Ans: perimeter of a triangle = 5cm + 6cm +7cm =18cm.

2.Find the perimeter of an equilateral triangle, whose each side is 5cm.

Ans : perimeter of an equilateral triangle = 3 X side = 3 X 5cm = 15cm.

3. Find the area of a rectangle, whose length and width are 10cm and 6cm, respectively?

Ans: Area of a rectangle = l X b = 10cm X 6cm = 60 sq.cm.

4. Find the side of an equilateral triangle, if its perimeter is 30cm.

Ans: Side = $\frac{perimetre}{3} = \frac{30cm}{3} = 10cm.$

5. If the area of square is 36cm^2, then find the side of square.

Ans: Side = $\sqrt{36ccm^2} = 6cm.$

Chap-11

Write the following using numbers, literal and basic arithmetic operations.

1. The sum of the numbers 5 and x.

Ans: 5 X x = 5x.

2. 4 less than x.
Ans: (x – 4)

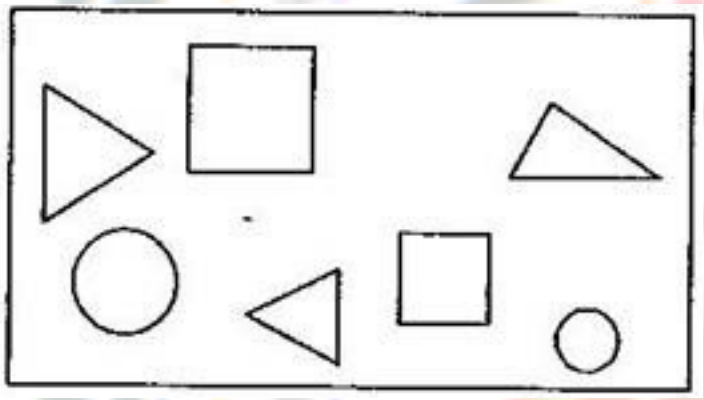
3. 5 more than the number y.
Ans: y + 5

4. Two fifth of a number Z.
Ans: $\frac{2}{5}$ Z

5. The number 5 times the product of x and y.
Ans: 5 (x + y).

Chap-12

1. See the figure and find the ratio of



(a) The number of triangles to the number of circles in side the rectangle.

(b) The number of squares to all the figures in side the rectangle.

(c) The number of circles to all the figures inside the rectangle.

Answer:(a)Ratioofnumberoftriangletothatofcircles= $\frac{3}{2}$ = 3 :2

(b) Ratioofnumberofsquarestoallfigures= $\frac{2}{7}$ = 2 :7

(c) Ratio of number of circles to allfigures= $\frac{2}{7}$ = 2 :7

2.Find the ratio of the following: (a) 81 to 108

(b) 98 to63

(c) 33 km to 121km

(d) 30 minutes to 45minutes

Answer: (a) Ratio of 81 to 108 = 27 x 3/27 x 4 = 3 : 4

(b) Ratioof98to63= $\frac{14\ x\ 7}{7\ x\ 9}$=14:9

(c) Ratioof33kmto121km= $\frac{3\ X\ 11}{11\ X\ 11}$=3:11

(d) Ratioof30minutesto45minutes=$\frac{15\ X\ 2}{15\ X\ 3}$=2:3

3. Determine the following are in proportion:

(a) 15, 45, 40, 120

(b) 33, 121, 9,96

(c) 24, 28, 36,48

(d) 32, 48, 70, 210

Answer: (a) 15: 45 = 1: 3 and 40 : 120 = 1 : 3

Since 15 : 45 = 40 : 120

Therefore 15, 45, 40, 120 are in proportion.

(b) 33 : 121 = 3 : 11 and 9 : 96 = 3 : 32

Since33:121≠9:96

Therefore, 33, 121, 9, 96 are not in proportion.

(c) 24 : 28 = 6 : 7 and 36 : 48 = 3 : 4

Since 24:28 ≠ 36 :48

Therefore 24, 28, 36, 48 are not in proportion.

(d) 32 : 48 = 2 : 3 and 70 : 210 = 1 : 3

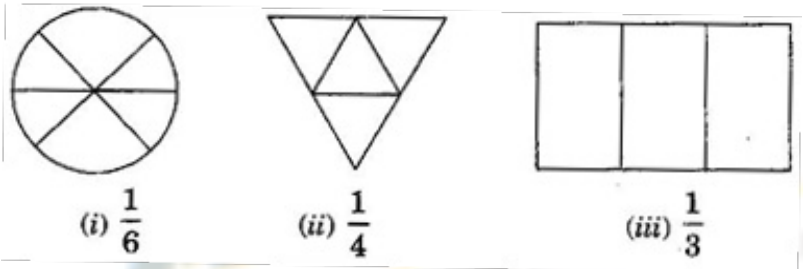
Since 32:48≠70:210

Therefore 32, 48, 70, 210 are not in proportion.

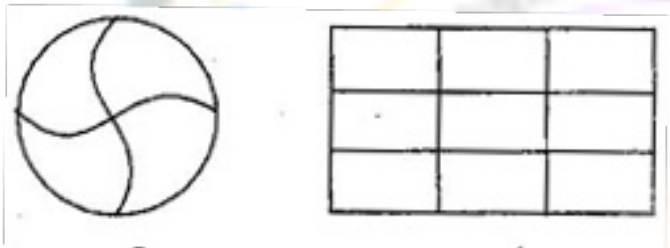
Solve: Each carry two marks

Chap – 7

1. Color the part according to the given fraction:

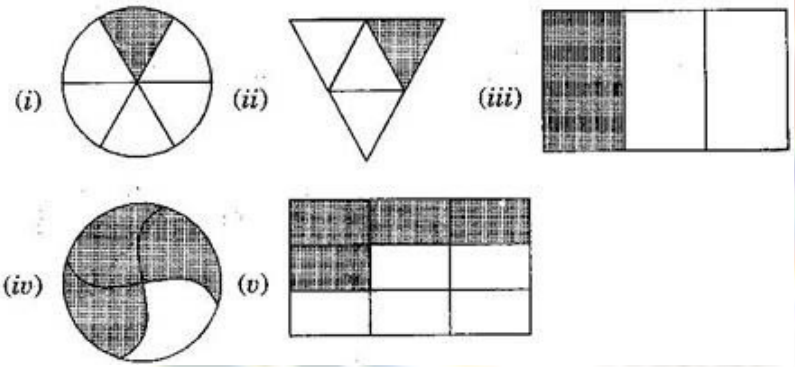


(i) $\frac{1}{6}$ (ii) $\frac{1}{4}$ (iii) $\frac{1}{3}$



(iv) $\frac{3}{4}$ (v) $\frac{4}{9}$

Answer:



2.Kanchandyesdresses.Shehadtodye30dresses.Shehassofarfinished20 dresses.Whatfractionofdresseshasshefinished?

Answer: Total number of dresses todye = 30

Work completed =20

Fraction of completed work = 20/30 = $\frac{2}{3}$

3. Writethenaturalnumbersfrom2to12.Whatfractionofthemareprime numbers?

Answer: Natural numbers from 2 to 12: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Primenumbersfrom2to12:2,3,5,7,11

Hence,fractionofprimenumbers= — —

4.Write the natural numbers from 102 to 113.What fraction of them is prime number?

Answer: Natural numbers from 102 to 113: 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113

Primenumbersfrom102to113:103,107,109,113

Hencefractionofprimenumbers= — = $\frac{1}{3}$

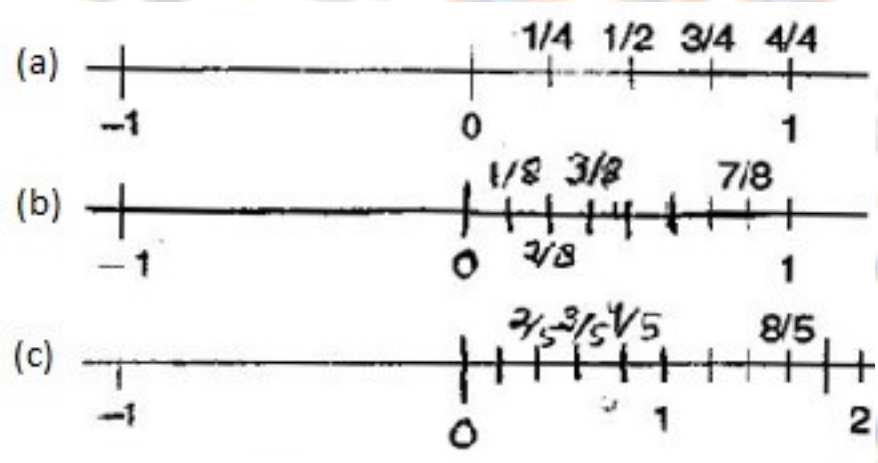
5. Drawnumberlinesandlocatethepointsonthem:

(a) $\frac{1}{2}, \frac{1}{4}, \frac{3}{4}, \frac{4}{4}$

(b) $\frac{1}{8}, \frac{2}{8}, \frac{3}{8}, \frac{7}{8}$

(c) $\frac{2}{5}, \frac{3}{5}, \frac{8}{5}, \frac{4}{5}$

Answer:



CHAP -8

1 .Write the following decimals in the place value table:

(a)19.4 (b) 0.3 (c) 10.6 (d) 205.9

Answer: (a)

Hundreds	Tens	Once	Tenths
0	1	9	4

(b)

Hundreds	Tens	Once	Tenths
0	0	0	3

(c)

Hundreds	Tens	Once	Tenths
0	1	0	6

(d)

Hundreds	Tens	Once	Tenths
2	0	5	9

2. Write each of the following as decimals:

(a) seven-tenths

(b) Two tens andnine-tenths

(c) Fourteen pointsix

(d) One hundred andtwo-ones

(e) Six hundred pointeight

Answer: (a) seven-tenths = 7tenths= $\frac{7}{10}$ =0.7

(b) 2 tens and 9-tenths = 2 x10+ $\frac{9}{10}$ = 20 + 0.9=20.9

(c) Fourteen point six =14.6

(d) Onehundredand2-ones=100+2x1=100+2=102

(e) Sixhundredpointeight=600.8

3.Write the following decimals as fraction. Reduce the fractions to lowest terms:

(a)0.6

(b)2.5

(c)1.0

(d) 3.8

Answer: (a) 0.6 = 6/10 = 3/5

(b) 2.5 = 25/10 = 5/2

(c)1.0= 10 / 10 =1

(d) 3.8 = 38 / 1 0 = 19/5

4. Write each of the following decimals in words:

(a)0.03

(b)1.20

(c) 108.56

(d)10.07

(e)0.032

(f) 5.008

Answer: (a) Zero point zero three

(b) One point twozero

(c) Onehundredandeightpointfivesix

(d) Ten point zeroseven

(e) Zeropointzerothreetwo

(f) Fivepointzerozeroeight

Chap -9

1. Inamathematicstestthefollowingmarkswereobtainedby40students. Arrange these marks in a table using tally marks.

8, 1, 3, 7, 6, 5, 4, 4, 2, 4, 9, 5, 3, 7, 1, 6, 5, 2, 7, 7, 3, 8, 4, 2, 8, 9, 5, 8, 6, 7, 4, 5, 6, 9, 6, 4, 4, 6, 6

(a) Find how many students obtained marks equal to or more than 7?

(b) How many students obtained marks below 4?

Answer:

(a) Twelve students

(b) Eight students

2.Following is the choice of sweets of 30 students of Class VI.

Ladoo,Barfi,Ladoo,jalebi,Ladoo,Rashulla,Jalebi,Ladoo,Barfi,Rasgulla,Ladoo,Jalebi, Jalebi,Rashulla,Ladoo,Rasgulla,Jalebi,Ladoo,Rasgulla,Ladoo,Ladoo,Barfi,Rasgulla, Rasgulla, Jalebi, Rasgulla, Ladoo, Rasgulla, Jalebi, Ladoo

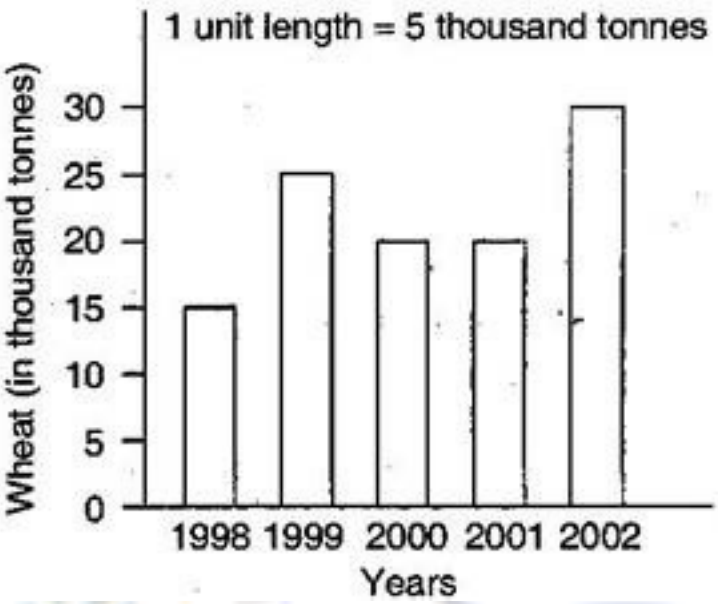
(a) Arrange the names of sweets in a table using tally marks.
(b) Which sweet is preferred by most of the students?

Answer:

Sweets	**TallyMarks**	**No. of students**
ladoo	𝍸 𝍸 I	11
Barfi	III	3
Jalebi	𝍸 II	7
	𝍸 IIII	9

(b) Ladoo. Because 11 students prefer to eat.

3. The bar graph given below shows the amount of wheat purchased by government during the year 1998–2002.



Read the bar graph and write down your observations.

(a)In which year was the wheat production maximum?

(b) In which year was the wheat production minimum?

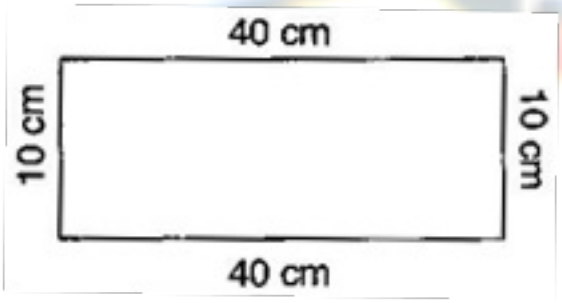
Answer: (a) In 2002, production of wheat was maximum.

(b) In 1998, production of wheat was minimum.

Chap 10

1.The lid of a rectangular box of sides 40 cm by 10 cm is sealed all round with tape. What is the length of the tape required?

Answer: Total length of tape required = Perimeter of rectangle



= 2 (length + breadth)

= 2 (40 + 10)

= 2 x 50

= 100 cm = 1 m

Thus, the total length of tape required is 100 cm or 1 m.

2. A table-top measures 2 m 25 cm by 1m 50cm.What is the perimeter of the table-top?

Answer: Lengthoftabletop=2m25cm=2.25m

Breadthoftabletop=1m50cm=1.50m

Perimeter of table top = 2 x (length + breadth)

= 2 x (2.25 + 1.50)

= 2 x 3.75 = 7.50 m

Thus, perimeter of table top is 7.5 m.

3. What is the length of the wooden strip required to frame a photograph of length 32 cm and breadth 21 cm respectively?

Answer: Lengthofwoodenstrip=Perimeterofphotograph

Perimeterofphotograph=2x(length+breadth)

= 2 (32 + 21)

= 2 x 53 cm = 106 cm

Thus, the length of the wooden strip required is 106 cm.

4. Arectangularpieceoflandmeasures0.7kmby0.5km.Eachsideistobe fencedwith4rowsofwires.Whatisthelengthofthewireneeded?

Answer: Sincethe4rowsofwiresareneeded.Thereforethetotallengthofwiresisequalto 4timestheperimeterofrectangle.

Perimeter of rectangular piece of land = 2 x (length + breadth)

= 2 x (0.7 + 0.5) = 2 x 1.2 = 2.4 km

= 2.4 x 1000 m = 2400 m

Thus, the length of wire = 4 x 2400 = 9600 m = 9.6 km

5 .Findtheperimeterofatrianglewithsidesmeasuring10cm,14cmand15 cm.

Answer: Perimeter of triangle = Sum of all three sides

= 10 cm + 14 cm + 15 cm = 39 cm

Thus,perimeteroftriangleis39cm.

6.Findtheperimeterofaregularhexagonwitheachsidemeasuring8cm.

Answer: PerimeterofHexagon=6xlengthofoneside

= 6 x 8 m = 48 m

Thus, the perimeter of hexagon is 48 m.

Chap 11

1 .Cadets are marching in a parade. There are 5 cadets in arow. What is the rule, which gives the number of cadets , given the number of rows ?(Use n for the number ofrows)

Answer: Number of rows = n

Cadets in each row = 5

Therefore,totalnumberofcadets= $5n$

2.If there are 50 mangoes in a box, how will you write the total number of mangoes in terms of the number of boxes?(Use$b$for the number of boxes)

Answer: Number of boxes= b

Number of mangoes in each box = 50

Therefore,totalnumberofmangoes= $50b$

3.The teacher distributes 5 pencils per student. Can you tell how many pencils areneeded, given the number of students ?(Use s for the number of students)

Answer:

Number of students = s

Number of pencils to each student = 5

Therefore, total number of pencils needed are = 5s

4.A bird flies 1 kilometer in one minute. Can you express the distance covered by the bird in terms of its flying time in minutes?(Use t for flying time in minutes)

Answer: Time taken by bird = t minutes

Speed of bird = 1 km per minute

Therefore, Distance covered by bird = speed x time = $1 \text{ km} \times t = t$

5. Radha is drawing a dot Rangoli (a beautiful pattern of lines joining dots with chalk powder as in figure). She has 8 dots in a row. How many dots will her Rangoli have for r rows? How many dots are there if there are 8 rows? If there are 10 rows?

Answer: Number of dots in each row = 8 dots

Number of rows = r

Therefore, total number of dots in r rows = $8r$

When there are 8 rows, then number of dots = 8 x 8 = 64 dots

When there are 10 rows, then number of dots = 8 x 10 = 80 dots

6. Leela is Radha's younger sister. Leela is 4 years younger than Radha. Can you write Leela's age in terms of Radha's age? Take Radha's age to be x years.

Answer:

Radha's age = x years

Therefore, Leela's age = (x – 4) years

7. .Mother has made laddus. She gives some laddus to guests and family members; still 5 laddus remain. If the number of laddus mother gave away is l, how many laddus did she make?

Answer: Number of laddus gave away = l

Number of laddus remaining = 5

Totalnumberofladdusshemake=(l +

Chap 12

1. There are 20 girls and 15 boys in a class.

(a) What is the ratio of the number of girls to the number of boys?

(b) Whatistheratioofgirlstothetotalnumberofstudentsintheclass?

Answer: (a) The ratio of girls to that of boys = 20/15 = $\frac{4}{3}$ = 4 :3

(b) The ratio of girls to total students = 20 / 35 = $\frac{}{}$ = $\frac{4}{7}$ = 4 :7

2. Out of 30 students in a class, 6 like football, 12 likecricket and remaining like tennis. Find the ratio of:

(a) The number of students liking football to the number of students liking tennis.

(b) The number of students liking cricket to the total number of students.

Answer: Total number of students = 30

Number of students like football = 6

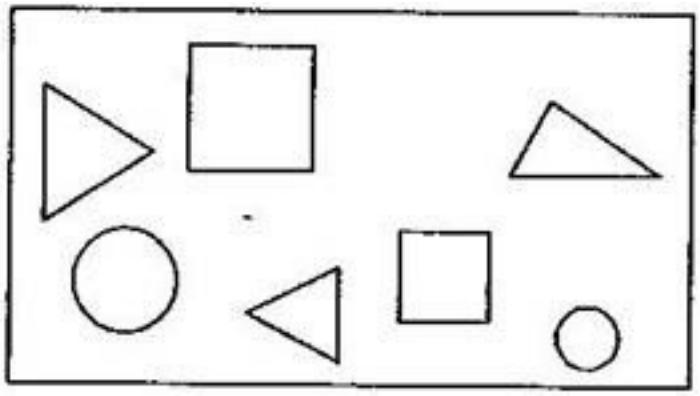
Number of students like cricket = 12

Thus number of students like tennis = 30 – 6 – 12 = 12

(a) The ratio of students like football that of tennis = 6/12 = $\frac{1}{2}$ = 1 :2

(b) The ratio of students like cricket to that of total students= $\frac{}{}$ = $\frac{2}{5}$ = 2 :5

3. See the figure and find the ratio of



(a) The number of triangles to the number of circles inside the rectangle.

(b) The number of squares to all the figures inside the rectangle.

(c) The number of circles to all the figures inside the rectangle.

Answer:(a)Ratioofnumberoftriangletothatofcircles= $\frac{3}{2}$ = 3 :2

(b) Ratioofnumberofsquarestoallfigures= $\frac{2}{7}$ = 2 :7

(c) Ratio of number of circles to allfigures= $\frac{2}{7}$ = 2 :7

4.DistancestravelledbyHamidandAkhtarinanhourare9kmand12km.Find theratiooftheSpeedofHamidtothespeedofAkhtar.

Answer: We know that, Speed =

Speed of Hamid = =9km/h andSpeedofAkhtar= = 12km/h

RatioofspeedofHamidtothatofspeedofAkhtar= = 3 : 4

Solve: Each carry three marks

Chap 7

1.Ilaread25pagesofabookcontaining100pages.Lalita read $\frac{2}{5}$ of the same book. Who read less?

Answer: Ila read 25 pages out of 100 pages.

Fractionofreadingthepages= ___ = part of book

Lalitaread part ofbook= ___ pages

Since $\frac{1}{4} < \frac{2}{5}$

Therefore, Ila read less.

2 .Rafiq exercisedfor $\frac{3}{6}$ ofanhour,whileRohit exercisedfor $\frac{3}{4}$ ofanhour .Who exercisedforalongertime?

Answer: Rafiqexercised $\frac{3}{6}$ of an hour.

Rohitexercised $\frac{3}{4}$ of anhour.

Since $\frac{3}{4} > \frac{3}{6}$

Therefore, Rohit exercised for a longer time.

3. In a class A of 25 students, 20 passed in first class; in another class B of 30 students,24passedinfirstclass.Inwhichclasswasagreaterfractionofstudentsgettingfirst class?

Answer: InclassA,20passedoutof25,i.e = $\frac{4}{5}$

InclassB,24passedoutof30,i.e. = $\frac{4}{5}$

Hence, each class have same fraction of student getting first class.

5. Solve:

(a) $\frac{2}{3} + \frac{1}{7}$

(b) ___ + ___

(c) $\frac{4}{9} + \frac{2}{7}$

(d) $\frac{5}{7} + \frac{1}{3}$

Answer: (a) L.C.M. of 3 and 7 is 21

$\therefore \frac{2}{3} + \frac{1}{7} =$ ——— = ——— = —

(b) L.C.M.of10and15is30

$\therefore$ — + — $\frac{3\times3+7\times2}{30}$ ——— —

(c) L.C.M.of9and7is63

$\therefore \frac{4}{9} + \frac{2}{7} = \frac{4\times7+2\times9}{63} = \frac{28+18}{63} =$ —

(d) L.C.M.of7and3is21

$\therefore \frac{5}{7} + \frac{1}{3} =$ ——— = ——— = — = —

Chap 8

1 RashidspentRs.35.75forMathsbookandRs.32.60forSciencebook.Findthe total amount spent byRashid.

Answer: MoneyspentforMathsbook=Rs.35.75

MoneyspentforSciencebook=Rs.32.60

Totalmoneyspent=Rs.35.75+Rs.32.60=Rs.68.35 Therefore, total money spent by Rashid is Rs.68.35

2. Radhika'smothergaveherRs.10.50andherfathergaveherRs.15.80.Findthe totalamountgiventoRadhikabyherparents.

Answer: Moneygivenbyhermother=Rs.10.50

Moneygivenbyherfather=Rs.15.80

TotalmoneyreceivedbyRadha=Rs.10.50+Rs.15.80=Rs.26.30

Therefore,totalmoneyreceivedbyRadhaisRs.26.30.

3. Express as meters using decimals:

(a) 15cm

(b) 6cm

(c) 2 m 45cm

(d) 9 m 7cm

(e) 419cm

Answer: (a) ∵ 1cm= m

∴ 15cm= x15=0.15m

(b) ∵ 1cm= m

∴ 6cm= x6=0.06m

(c) ∵ 1cm= m

∴ 2m45cm=2+ x45=2.45m

(d) ∵ 1cm= m

∴ 9m7cm=9+ x7=9.07m

(e) ∵ 1cm= m

∴ 419cm= x419= = 4.19m

4. Express as cm using decimals:

(a) 5mm

(b) 60mm

(c) 164mm

(d) 9 cm 8mm

(e) 93mm

Answer:(a) ∵ 1mm= cm

∴ 5mm= x5=0.5cm

(b) ∵ 1mm= cm

∴ 60mm= x60=6cm

(c) ∵ 1mm= cm

∴ 164mm= x164=16.4cm

(d) ∵ 1mm= cm

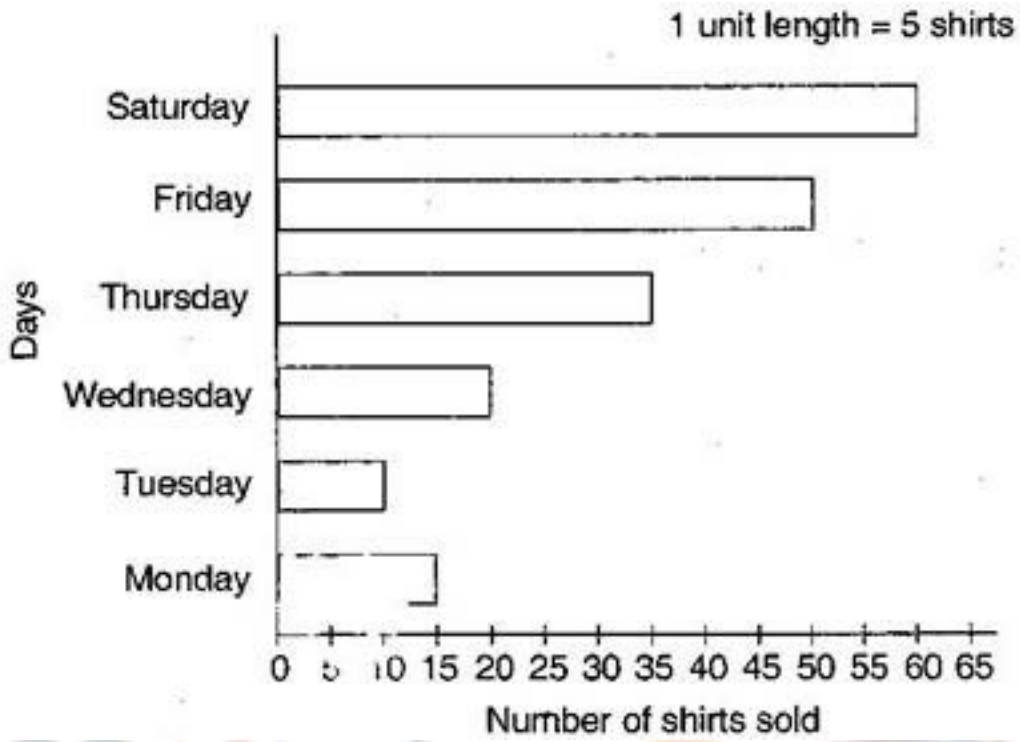
∴ 9cm8mm=9+ x8=9+0.8=9.8cm

(e) ∵ 1mm= cm

∴ 93mm= x93=9.3cm

Chap 9

1. .Observethisbargraphwhichshowsthesaleofshirtsinareadymadeshopfrom Monday to Saturday.



Now answer the following questions:

(a) Whatinformationdoestheabovebargraphgive?

(b) Whatisthescalechosenonthehorizontallinerepresentingnumberofshirts?

(c) Onwhichdaywerethemaximumnumberofshirtssold?Howmanyshirtsweresoldon thatday?

(d) Onwhichdayweretheminimumnumberofshirtssold?

(e) HowmanyshirtsweresoldonThursday?

Answer:(a)Thebargraphshowsthesaleofshirtinareadymadeshopfrom Mondayto Saturday.

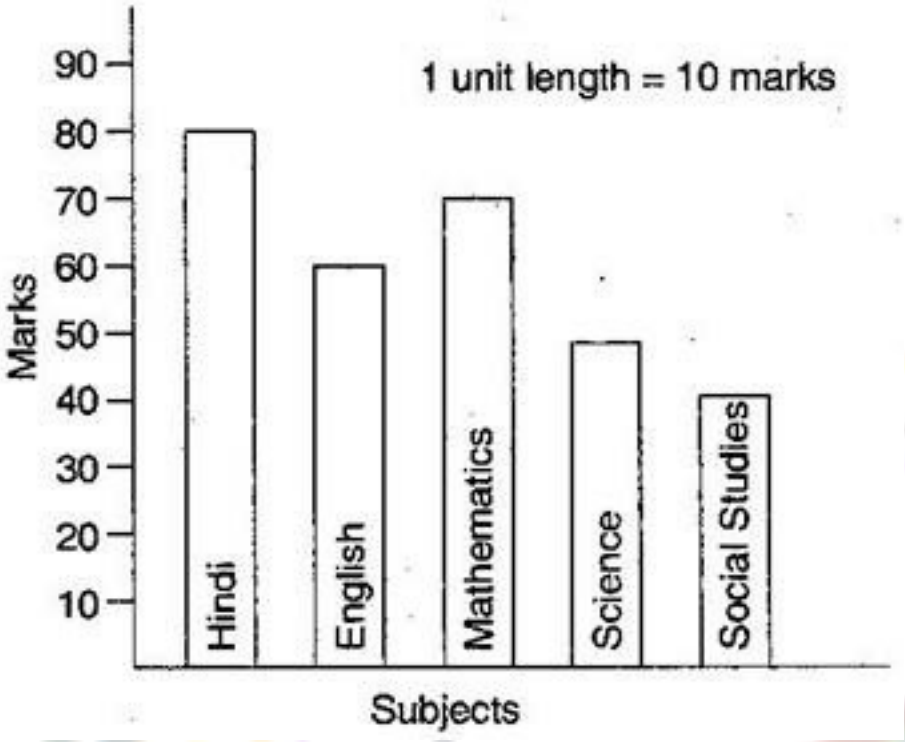
(b) 1 unit = 5shirts

(c) OnSaturday,maximumnumberofshirts,60shirtsweresold.

(d) OnTuesday,minimumnumberofshirtsweresold.

(e) OnThursday,35shirtsweresold.

2. .Observethisbargraphwhichshowsthemarksobtainedby Azizinhalfyearly examination in differentsubjects:



Answer the given questions:

(a) Whatinformationisdoesthebargraphgive?

(b) Name the subject in which Aziz scored maximum marks.

(c)Namethesubjectinwhichhehasscoredminimummarks.

(d)State the name of the subjects and marks obtained in each of them

Answer:(a)ThebargraphshowsthemarksobtainedbyAziz in half yearly examination in different subjects.

(b) Hindi.

(c) Social Studies.

(d) Hindi80, English60, Mathematics70, Science50, SocialStudies40.

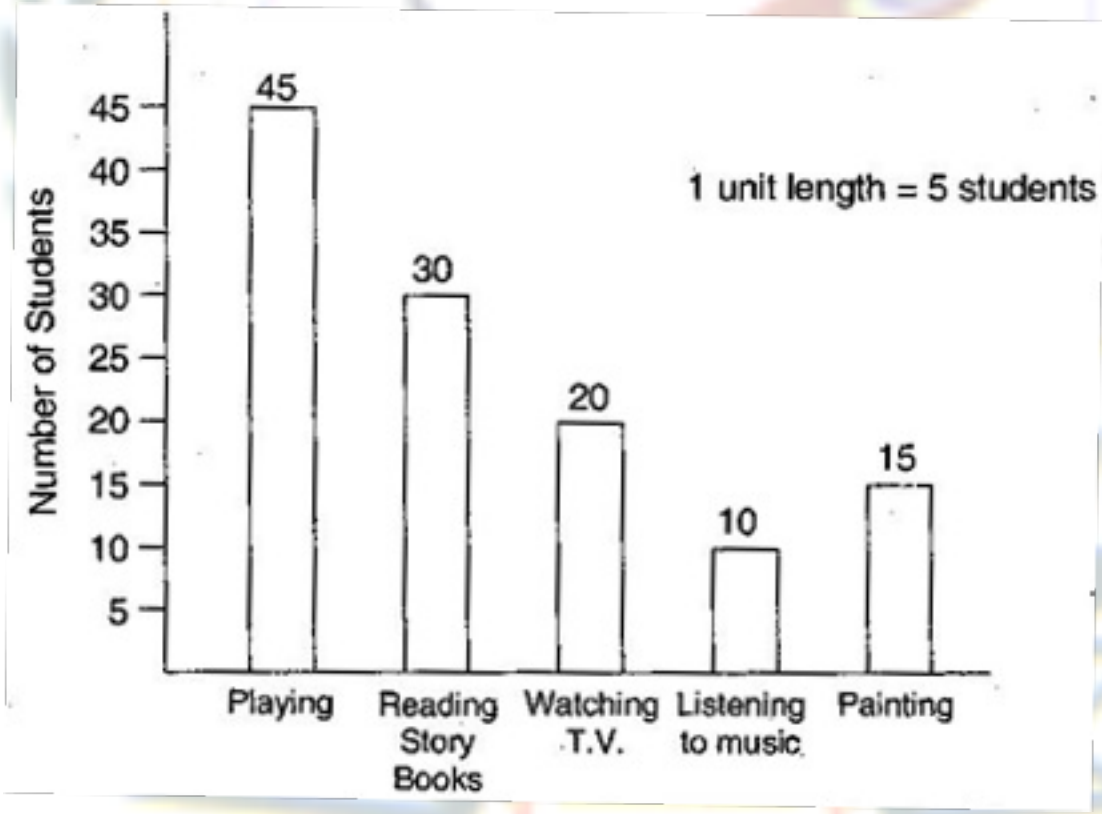
3. .Asurveyof120schoolstudentswasdonetofindwhichactivitytheyprefertodo in their free time:

Preferred activity	Number of students
Playing	45
Readingstorybooks	30
Watching TV	20
Listening tomusic	10
Painting	15

Drawabargraphtoillustratetheabovedatatakingscaleof1unitlength=5students Which activity is preferred by most of the students other than playing?

Answer:

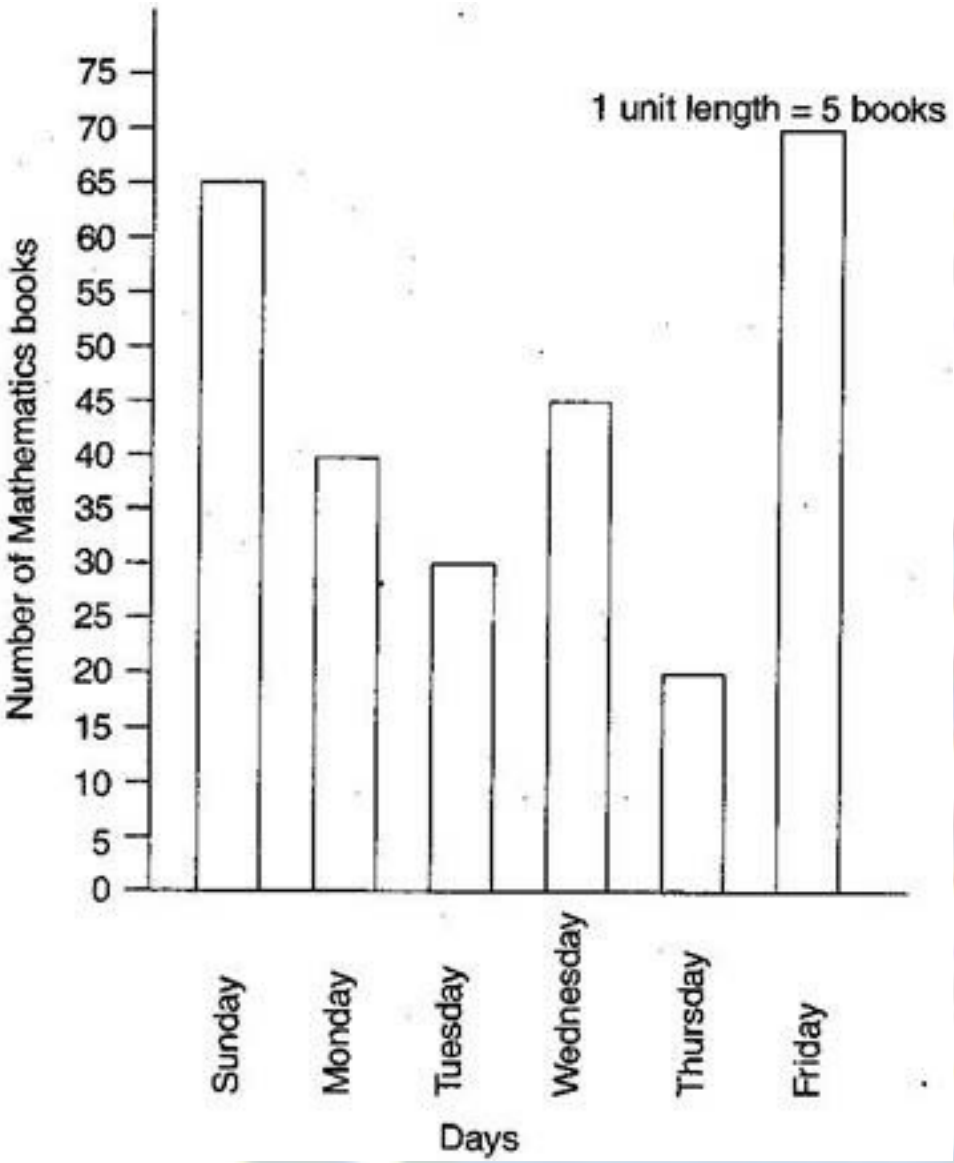
Ans: Reading Story Books is preferred by most of the students other than playing



4.Thenumberofmathematicsbookssoldbyashopkeeperonsixconsecutivedays is shownbelow:

Draw a bar graph to represent the above information choosing the scale of your choice.

Answer:



Chap 10

1.Findthecostoffencingarectangularparkoflength175mandbreadth125 mattherateofRs.12permeter.

Answer: Length of rectangular park = 175 m

Breadth of rectangular park = 125 m

Perimeterofpark=2x(length+breadth)

= 2 x (175 + 125)

= 2 x 300 = 600 m

Since, cost of fencing park per meter = = Rs. 12

Therefore, cost of fencing park of 600 m = 12 x 600 = Rs. 7,200

2. Sweetyrunsaroundasquareparkofside75m.Bulbulrunsarounda rectangularparkwithlengthof60mandbreadth45m.Whocoverslessdistance?

Answer: DistancecoveredbySweety=Perimeterofsquarepark

Perimeterofsquare=4xside

= 4 x 75 = 300 m

Thus, distance covered by Sweety is 300 m.

Now, distance covered by Bulbul = Perimeter of rectangular park Perimeter of rectangular park = 2 x (length + breadth)

= 2 x (60 + 45)

= 2 x 105 = 210 m

Thus,Bulbulcoversthedistanceof210m. So,

Bulbul covers lessdistance.

3. Theareaofarectangulargarden50mlongis300m^2,findthewidthofthe garden.

Answer: Lengthofrectangle=50mandAreaofrectangle=300m^2

Since,Areaofrectangle=lengthxbreadth

Therefore,Breadth= $\frac{\text{Area}}{\text{Length}} = \frac{300}{50}$ = 6m

Thus,thebreadthofthegardenis6m.

4.Whatisthecostoftilingarectangularplotofland500mlongand200m wide at the rate of Rs. 8 per hundred sq. m?

Answer: Lengthofland=500mandBreadthofland=200m

Area of land=length x breadth=500m x 200m= 1,00,000m^2

∵ Cost of tiling 100 sq. m of land = Rs. 8

∴ Costoftilling1,00,000sq.mofland= $\frac{\quad}{\quad} * 100000$ = Rs.8000

Chap 11

1.Identifytheoperations(addition,subtraction,division,multiplication)in formingthefollowingexpressionsandtellhowtheexpressionshavebeenformed:

(a) $z + \quad z - \quad + \quad - 17$

(b) $17y, 5\overline{z}$

(c) $2y + 17, 2y17 -$

(d) $7m, +$ -3 —

Answe ; (a) z +1 Addition

z – 1 Subtraction

y + 17 Addition

y – 17 Subtraction

(b) 17y Multiplication

y/17 Division

5z Multiplication

(c) 2y + 17MultiplicationandAddition

2y - 17 Multiplication andSubtraction

(d) 7m Multiplication

7m + 3 MultiplicationandAddition

7m – 3 Multiplication andSubtraction

2. Give expressions for the following cases:

(a) 7 addedto p.

(b) 7 subtractedfrom p.

(c) p multiplied by7.

(d) p divided by7.

(e) 7 subtractedfrom

(f) p multiplied by5.

(g) p divided by5.

(h) p multipliedby

Answer:

(a) $p + 7$

(b) $p - 7$

(c) $7p$

(d)

(e) -7

(f)

(g) $\frac{-p}{5}$

(h)

3.Giveexpressioninthefollowingcases:

(a)11addedto $2m$.

(b) 11subtractedfrom $2m$.

(c) 5times y to which 3 isadded.

(d) 5times y from which 3 issubtracted.

(e) y is multipliedby

(f) y ismultipliedby andthen5isaddedtotheresult.

(g) y ismultipliedby5andresultissubtractedfrom16.

(h) y ismultipliedby andtheresultisaddedto16.

Answer:

(a) $2m+11$

(b) $2m11$

(c) $5y+3$

(d) $5y3$

(e)

(f) $+5$

(g) $165y$

(h) $+16$

4. (a)Fromexpressionsusing t and4.Usenotmorethanonenumber operation. Every expressionmusthave t init.

(b) Formexpressionsusing y, 2and7.Everyexpressionmusthave y init.Useonlytwo numberoperations.Theseshouldbedifferent.

Answer:

(a) t + 4, t – 4, 4t, t/4

(b) $2y + 7, 2y - 7, 7y + 2, 7y - 2$and soon

Chap 12

1. In a year, Seema earns Rs. 1,50,000 and saves Rs. 50,000. Find the ratio of:

(a) MoneythatSeemaearnstothemoneyshesaves.

(b) Moneythatshesavestothemoneyshespends.

Answer: Totalearning=Rs.1, 50,000andSaving=Rs.50,000

$\therefore$ Moneyspent=Rs.1, 50,000-Rs.50,000=Rs.1, 00,000

(a) Ratioofmoneyearnedtomoneysaved= $\frac{1,50,000}{50,000} = \frac{50,000\ X3}{1\ X\ 50,000}$=3:1

(b) Ratioofmoneysavedtomoneyspend=$\frac{50,000}{1,00,000}$= $\frac{50,000\ X1}{50,000\ X2}$ = 1:2

2. In a college out of 4320 students, 2300 are girls. Find the ratio of:

(a) Thenumberofgirlstothetotalnumberofstudents.

(b) Thenumberofboystothenumberofgirls.

(c) Thenumberofboystothetotalnumberofstudents.

Answer:

Totalnumberofstudentsinschool=4320

Number of girls =2300

Therefore, number of boys = 4320 – 2300 = 2020

(a) Ratioofgirlstototalnumberofstudents= $\frac{2300}{4320} = \frac{115 \times 20}{216 \times 20}$=115:216

(b) Ratioofboystothatofgirls= $\frac{2020}{2300} = \frac{101 \times 20}{115 \times 20}$ = 101:115

(c) Ratioofboystototalnumberofstudents= $\frac{2020}{4320} = \frac{101 \times 20}{216 \times 20}$ = 101:216

3 .Outof1800studentsinaschool,750optedbasketball,800optedcricketand remainingoptedtabletennis.Ifastudentcanoptonlyonegame,findtheratioof:

(a) Thenumberofstudentswhooptedbasketballtothenumberofstudentswhooptedtable tennis.

(b) Thenumberofstudentswhooptedcricketthenumberofstudentsoptingbasketball.

(c) Thenumberofstudentswhooptedbasketballtothetotalnumberofstudents.

Answer: Totalnumberofstudents=1800

Numberofstudentsoptedbasketball=750

Numberofstudentsoptedcricket=800

Therefore, number of students opted tennis = 1800 – (750 + 800) = 250

(a) Ratioofstudentsoptedbasketballtothatofoptedtabletennis= $\frac{750}{250} = \frac{3 \times 250}{1 \times 250}$=3:1

(b) Ratioofstudentsoptedcricketostudentsoptedbasketball= $\frac{800}{750} = \frac{50 \times 16}{50 \times 15}$=16:15

(c) Ratioofstudentsoptedbasketballtototalno.ofstudents= $\frac{750}{1800} = \frac{5 \times 150}{150 \times 12}$ = 5:12

4.ThecostofadozenpensisRs.180and

costof8ballpensisRs.56.Findthe ratioofthecostofapentothecostofaballpen.

Answer: Costofadozenpens(12pens)=Rs.180

∴ Cost of 1pen= = Rs.15

Cost of 8 ball pens = Rs. 56

∴ Cost of 1 ballpen= = Rs.7

Ratioofcostofonepentothatofoneballpen= = 15:7

==========xxxx==========

PAPER FORMATE

SECTION - A

(i)Choose correct option [1 x 10 = 10]

(ii) Fill the blank [1 x 10 = 10]

(iii) Tell whether the statement is true or false: [1 X 10 = 10]

(IV) Solve: Each carry one marks [1X 10 = 10]

SECTION - B

Solve: Each carry two marks (Any four) [2 X 8= 16]

SECTION -C

Solve: Each carry three marks (Any one) [3 X 8 = 24]