पुण्ना International School
Shree Swaminarayan Gurukul, Zundal

Name:	Grade :6th ROLL NO-
Date :	Subject: Maths
T.Sign :	Marks: 80

SECTION - A

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

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. 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. How many students got 78 are more marks?

   a. 2　　　　　b. 3　　　　　c. 4　　　　　d. 1

6. How many student got marks below 62?
   a. 3　　　　　b. 4　　　　　c. 5　　　　　d. 2

7. 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

8. The perimeter of a rectangle, whose sides are 130 cm and 70 cm, is
   a. 20m　　　　　b. 4m　　　　　c. 0,2m　　　　　d. 2m 30cm

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

10. Give, expression for P divided by 15 is
    a. P -15　　　　　b. P + 15　　　　　c. $\frac{p}{15}$　　　　　d. P X15

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

1. A number representing a part of a _____ is called a fraction.

2. A fraction with numerator greater than the denominator is called an _____ fraction.

3. The value of 50 coins of 50 paise = Rs _____

4. 3Hundredths +2 tenths = _____

5. Representation of data in form of picture is called _____

6. In bar graph, width of rectangle is always _____

7. Standard unit of area is _____

8. An _____ has two sides, left hand side and right hand side, between them is the equal sign

9. The cost of 4 pens is Rs 40. The cost of 11 pens is _____

10. The weight of 15 boxes is 60 kg. The weight of 12 boxes is _____

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

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. The ratio of 20 kg to 200 kg is 1:10.

4. The ratio 8:40 is in its lowest form.

 5. Pictograph and bar graph are pictorial representation of numerical data.

 6. An observation occurring five times in the data is recorded as iiiii, using Tally marks

 7. In the decimal form, fraction 25/8 = 3.125.

 8. The decimal 23.2 =23 2/3

 9. In the decimal form, fraction 25/8 = 3.125.

 10. The decimal 23.2 =23 2/3

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

   1. Express the following as mixed fractions.   (i) 15/4   OR   25/6

   2. Express the following as improper fraction   (i) 5 ¼   OR $7\frac{2}{3}$

   3. Write 2.4 as fraction in lowest terms.

   4. Writer 200 + 40 + 5 2/100 as decimals.

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

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

   7. Find the perimeter of a triangle, whose three sides are 5cm, 6cm and 7cm, respectively?
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Write the following using numbers, literal and basic arithmetic operations.

8. The sum of the numbers 5 and x.
.
9. 5 more than the number y.

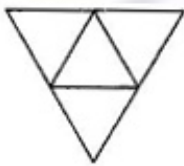10. Find the ratio of the following: 81 to 108

SECTION - B

Solve: Each carry two marks (Any Eight)   **[2 X 8= 16]**
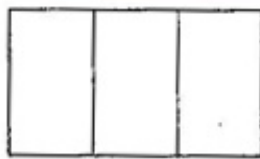
1. . Color the part according to the given fraction:
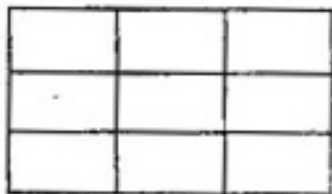

(i) $\frac{1}{6}$ (ii) $\frac{1}{4}$ (iii) $\frac{1}{3}$

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

2. Write the natural numbers from 102 to 113.What fraction of them is prime number?
3. Write the following decimals in the place value table:

   (a)19.4   (b) 0.3

4. Write each of the following decimals in words:
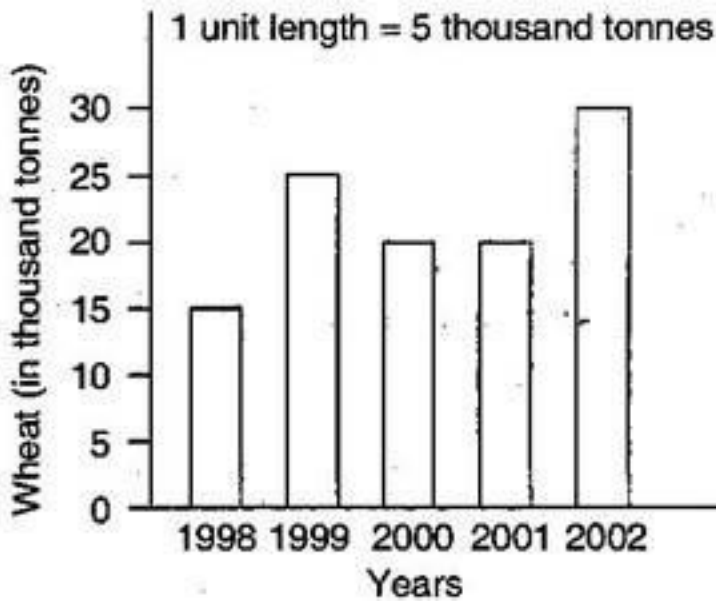
   (a) 0.03   (b) 1.20

5. 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

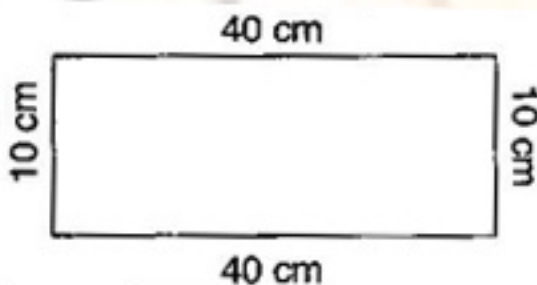(a) Arrange the names of sweets in a table using tally marks.

(b) Which sweet is preferred by most of the students?

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

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

8. 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?

9. 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

10.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)

11. 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) What is the ratio of girls to the total number of students in the class?
12. Out of 30 students in a class, 6 like football, 12 like cricket 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.
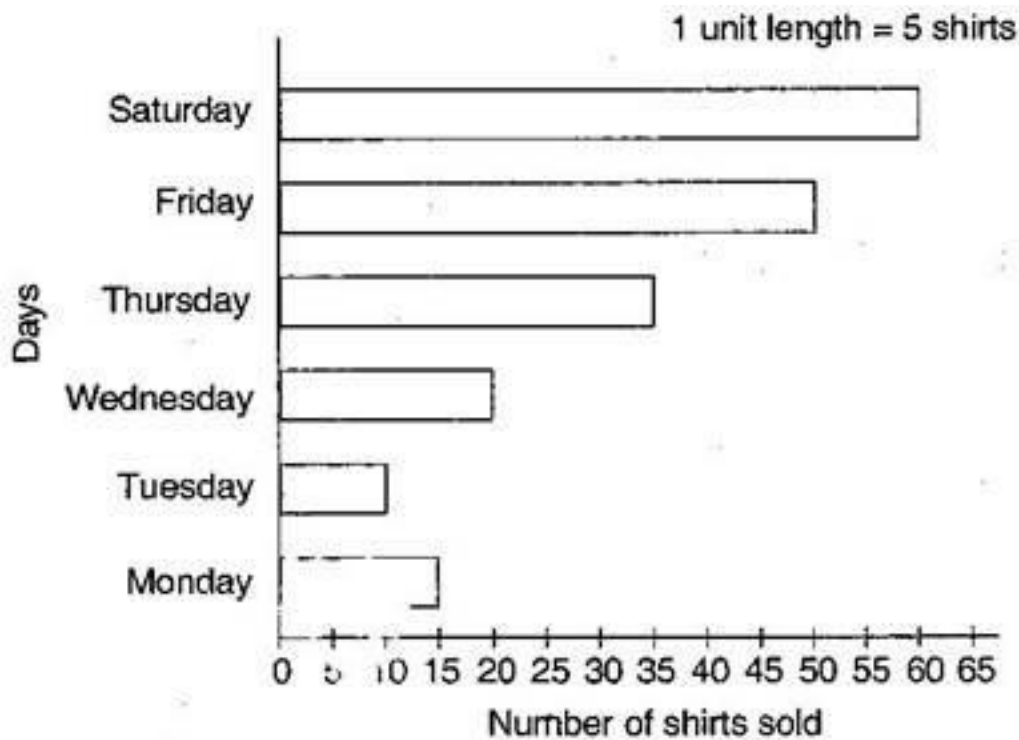
SECTION -C

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

1. In a class A of 25 students, 20 passed in first class; in another class B of 30 students,24 passed in first class. In which class was a greater fraction of students getting first class?

2. Solve: $\frac{2}{3} + \frac{1}{7}$

3. Rashid spent Rs.35.75 for Maths book and Rs.32.60 for Science book. Find the total amount spent by Rashid.

4. Radhika's mother gave her Rs.10.50 and her father gave her Rs.15.80. Find the total amount given to Radhika by her parents.

5. Find the cost of fencing a rectangular park of length 175 m and breadth 125 m at the rate of Rs.12 per meter.

6.   Sweety runs around a square park of side 75 m. Bulbul runs around a rectangular park with length of 60 m and breadth 45 m. Who covers less distance?

7.   Give expressions for the following case:
   (i)   7 added to p
   (ii)   7 subtracted from p
   (iii)   P divided by 7
   (iv)   P multiply by 7

8. Give expression in the following cases:
   (a) 11 added to $2m$.
   (b) 11 subtracted from $2m$.
   (c) 5 times y to which 3 is added.

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

(a) Money that Seema earns to the money she saves.
(b) Money that she saves to the money she spends.

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

(a) The number of girls to the total number of students.

(b) The number of boys to the number of girls.
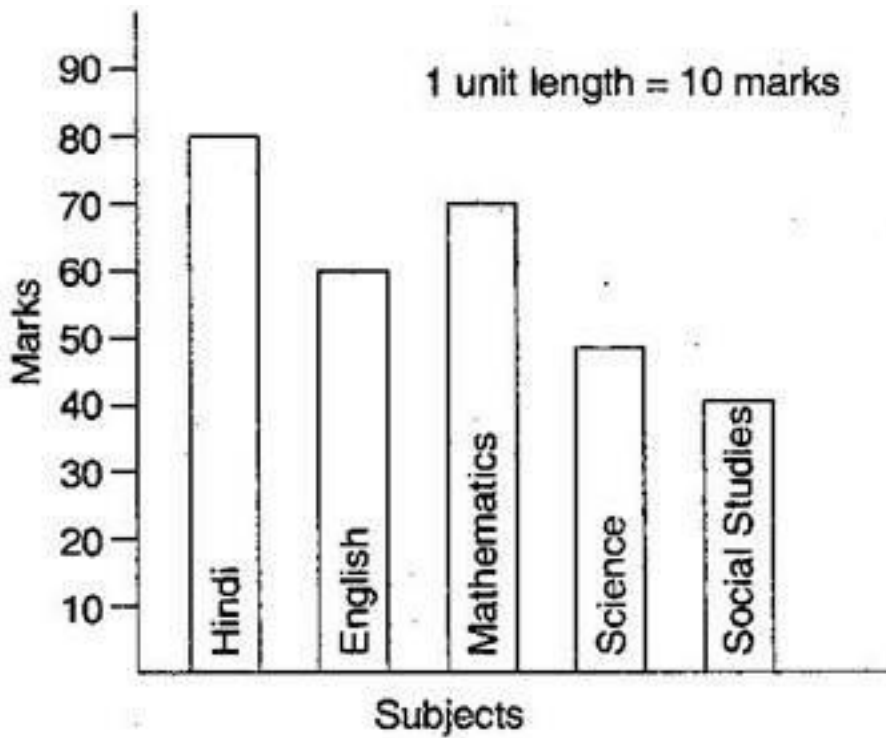(c) The number of boys to the total number of students.

11. Observe this bar graph which shows the sale of shirts in a ready made shop from Monday to Saturday.

Now answer the following questions:

(a) What information does the above bar graph give?

(b) What is the scale chosen on the horizontal line representing number of shirts?

(c) On which day were the maximum number of shirts sold ? How many shirts were sold on that day?

(d) On which day were the minimum number of shirts sold?

(e) How many shirts were sold on Thursday?

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    (b) Observe this bar graph which shows the marks obtained by Aziz in half yearly examination in different subjects:

Answer the given questions:

(a) What information is does the bar graph give?

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

(c) Name the subject in which he has scored minimum marks.

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

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