Fill in the blanks :

1. A number is divisible by 10, if its one's place is _____
2. A number is divisible by_____, if its one's place is 0 or 5.
3. A number is divisible by _____, if its one's place is 0,2,4, 6 or 8.
4. _____is neither prime not composite.
5. _____is the smallest prime no.
6. _____is the only even prime no.
7. A number is divisible by 9, if the sum of the digits is divisible by _____.
8. Prime numbers have only _____factors.
9. A number is divisible by 3 if the _____ is divisible by 3.
10. Co primes are numbers which have only _____as their common factors.
11. LCM of 9 and 10 is _____
12. HCF of 17 and 19 is _____
13. LCM of 6 and 18 is _____
14. HCF of 9 and 45 is _____
15. A number is divisible by _____, if it is divisible by both 2 and 3.

Answer the following:

1. Without actual division , check whether the following are divisible by 2
   (a) 7422 (b)39582 (c)14659 (d)52314
2. Check whether the following are divisible by 3
   (a) 741352 (b)2034198 (c)317925 (d)3412920
3. Check whether the following are divisible by 4
   (a) 4137156 (b)135764 (c)34560 (d)167435
4. Check whether the following are divisible by 5
   (a) 187620 (b)258732 (c)361245 (d)705204
5. Check whether the following are divisible by 6
   (a) 4234156 (b)1027863 (c)924658 (d)1850421
6. Check whether the following are divisible by 8
   (a) 1967000 (b)2587382 (c)3614944 (d)191640
7. Check whether the following are divisible by 9
   (a) 739602 (b)2034198 (c)674132 (d)7413552
8. Check whether the following are divisible by 10
   (a) 395725 (b)6042190 (c)814231 (d)42950

9. Check whether the following are divisible by 11

(a) 666666 (b)1251206 (c)7917624 (d)6510625

10. Find LCM

(a) 36,20 (b)36, 48, 64

(c)24, 36 (d)39, 65, 78

(e) 60,72,96 (f)48,60

(g)12,15,45 (h)42,36

(i) 14,21 (j)25,65

(k)48,60 (l)35,40

(m) 50,60 (n)36, 49

(o)26,13,91 (p)60,84,96

11. Find the HCF

(a) 16,24 (b)28,36

(c)40,24 (d)52,68

(e) 36,18 (f)42,72,18

(g)16,32,40 (h)42,72,18

(i) 6,10,28 (j)66,44

(k)38,60 (l)45,18,36

(m) 26,43

Fill in the blanks :

1. Number name for 63, 76, 01 , 020 is _____.
2. All even numbers are divisible by _____.
3. $3\frac{1}{5} \times 1$ = _____.
4. Place value of 3 in 2.314 is _____-.
5. Successor of 32, 14, 53, 040 is _____.
6. A number is divisible by _____, if it is divisible by both 2 and 3.
7. Mixed numeral for $\frac{83}{10}$ is _____.
8. Whole part in 15.162 is _____.
9. Numeral for 7,00,00,000 + 80,00,000 + 9,000 +14 is _____.
10. Numbers which have more than two factors are called _____
11. $1\frac{3}{7} - 1\frac{3}{7}$ = _____.
12. Fraction for 0.176 is _____.
13. Place value of 6 in 7, 63, 52, 154 is _____.
14. $8\frac{1}{9} \div 8\frac{1}{9}$ =_____
15. A number is divisible by 3, if the sum of the digits is divisible by _____.
16. Mixed numeral for 3.125 is _____
17. Predecessor of 412, 613, 030 is _____.
18. A number is divisible by 10, if its one's place is _____.
19. $4\frac{1}{5} + \frac{3}{7} = \frac{3}{7} +$ _____.
20. Decimal for $\frac{4}{100}$ is _____
21. Numeral for 30,000,000 + 500, 000 + 1000 + 70 is _____ 22. $8\frac{1}{3} \times 0$ = _____.
23. A number is divisible by 5 if its one's place is _____
24. A number after 41,216,199 is _____
25. When a fraction is divisible by 1, the quotient is _____
26. Decimal part in 35. 613 is _____
27 . 4836421097 is written as _____in International system.
28. Multiplicative inverse of 17 is _____-.
29. A number is divisible by 9 if the _____is divisible by 9.

30. $0 \div 4\frac{1}{2}$ = _____ .

31. Place value of 5 in 83, 512, 216 is _____

32. Decimal for $1\frac{3}{1000}$ is _____

33. Prime numbers have only _____factors.

34. Number name for 72,050,112 is _____.

35. $8\frac{11}{13} + 0$ = _____.

36. Fraction for 3.5 is _____

37. Numeral for six hundred thirty five million, four thousand sixty five is _____.

38. Fraction ÷ Another fraction = Fraction × _____of the other fraction.

39. _____is the only even prime number.

40. Decimal numbers having equal number of decimal places are called _____.

41. _____ × $4\frac{1}{6} = 1$

42. 14593267 is written as _____is Indian System.

43. $\frac{4}{9} \times 2\frac{1}{3} = 2\frac{1}{3} \times$ _____

44. _____is the smallest prime number.

45. The number whose multiplicative inverse is the number itself is _____

46. Fraction for $4 \div 5$ is _____

47. A number before 93, 76, 145 is _____

48. _____is neither prime nor composite.

49. Reciprocal of $3\frac{1}{17}$ is _____.

50. Standard form of $\frac{18}{24}$ is _____.

51. A number is divisible by _____ if its ones place is 0 or 2 or 4 or 6 or 8.

52. $8\frac{1}{3}$ is a _____ fraction.

53. Is 834652 divisible by 5. Write Yes or No.

54. Improper fraction for $8\frac{1}{5}$ is _____.

55. Reciprocal of $\frac{3}{7}$ is _____.

56. Decimal numbers having equal values are called _____.

57. $3.15 - 0.5$ = _____.

58. 143560 is divisible by 10. Write Yes or No.

59. 2.85 + 1.5 = _____

60. Multiplicative inverse of _____ does not exist.

61. When a fraction is divisible itself, the quotient is _____.

62. 638412 is divisible by 4 or not. Write Yes or No.

63. $\frac{1}{5}$ is a proper fraction and also _____fraction.

64. We cannot divide a fraction by _____.

65. $\frac{3}{5} \times$ _____ = 1 .

66. Add 1 to a number to get its _____.

67. All the prime numbers are odd except _____.

68. 3.25 + 0 =_____

69. Ten Millions = _____crore.

70. 14.125 − 14.1250 = _____

71. Decimal numbers having unequal number of decimal places are called _____

72. _____ 1 from a number to get its predeceesor.

73. $\frac{2}{7}, \frac{4}{7}, \frac{8}{7}, \frac{1}{7}$ are _____fractions.

74. 5 + 0.5 = _____

75. 10 lakhs = _____milion.

76. Are odd numbers divisible by 2 ?Write Yes or No.

77. All even numbers are composite numbers except _____.

78. $\frac{3}{5} = \frac{\quad}{20}$

79. One hundred thousands = _____lakh.

80. To add or subtract fractions we must find _____of the denominators.

Answer the following :

1. Write the three equivalent fractions of each.

a) $\frac{3}{5}$

b) $\frac{5}{6}$

c) $\frac{8}{13}$

d) $\frac{7}{9}$

2.Put > , < or = in each ☐

a) $354,\ 276,415$ ☐ 354, 267, 415

b) $3\frac{1}{4}$ ☐ $3\frac{1}{2}$

c) 9.63 ☐ $9\frac{63}{1000}$

d) 19,28, 76,105 ☐ 82,76,105

e) $\frac{7}{12}$ ☐ $\frac{3}{4}$

f) 2.05 ☐ 2.50

g) 8.56 ☐ 8.560

h) 400, 218, 768 ☐ 0,128, 768

i) $1\frac{2}{5}$ ☐ $\frac{3}{2}$

j) 3.05 ☐ $3\frac{1}{2}$

k) 21,00,76,325 ☐, 76, 00, 325

l) 18.58 ☐ 1.858

m) 76, 35, 14, 763 ☐ 35,14,763

3. Check whether the following are divisible by 4.

a) 8137264 b)246712 c) 131242 d)83625

4. Find the difference and express in its lowest form

a) $3\frac{1}{5} - 2\frac{1}{7}$

b) $5\frac{1}{6} - 4\frac{1}{8}$

c) $\frac{5}{6} - \frac{5}{18}$

5. Skip counting as per instructions and write next four numerals.

a) 41, 25, 683 (in thousands)

b) 934, 162, 400 (in ten million)

c) 3, 75, 23, 100 (in ten lakhs)

d) 28, 165, 005 (in millions)

6. Without actual division check whether the following are divisible by 9.

a) 8613252

b) 1732972

c) 4163454

7.Subtract :

a) 456832 from 916327

b) 134612768 from 728937789

c) 6325610 from 9352160

8. Write in descending order :

a) 813 642 912; 83 642 912; 831 642 912; 831 642 921

b)14 73 472 ; 9 41 73 472; 91 73 472; 93 71 472

9. Check whether the following are divisibility

a) 8888888 b)1433728 c)9163425

10. Add the following :

a) 9345639 + 8231645

b) 45.63 + 215.9

c) 9163863 + 75616934 + 1684912

d)5.683kg + 25.65kg + 235.5 kg

e) 16325 + 70569 + 385.6 + 413.9632

11. Simplify :

a) $2\frac{1}{5} \times \frac{15}{33}$

b) $8\frac{1}{2} \times \frac{12}{51}$

c) $8\frac{1}{3} \times \frac{20}{33}$

d) $9\frac{1}{6} \times \frac{9}{55}$

e) $\frac{4}{15} \div \frac{2}{5}$

f) $3\frac{1}{5} \div \frac{32}{75}$

g) $3\frac{1}{5} \times \frac{15}{33} \times \frac{11}{48}$

h) $2\frac{1}{7} \times \frac{8}{27} \times \frac{45}{64}$

12.Check whether the following are divisible by 6

a) 413262 b)613242 c)415639 d)816246

13. Multiply :

a) 8345× 189 b) 9163 × 208

c) 8356 × 412 d) 6346 × 588

14. Find the sum and express in lowest term.

a) $3\frac{1}{5} + 2\frac{1}{3}$

b) $\frac{8}{15} + 4\frac{1}{6}$

c) $2\frac{1}{7} + \frac{5}{21}$

15. Write in ascending order :

a) 32 46 732; 32 64 732; 23 64 732; 1 46 732

b) 863 146 902; 863 156 902; 63 146 902; 683 146 902

16. Divide :

a) 976 925 ÷ 415

b) 724 360 ÷ 114

c) $4\frac{1}{2} \div \frac{12}{40}$

d) $\frac{9}{25} \div \frac{36}{55}$

e) 462398 ÷ **122**

17. Check whether the following are divisible by 8

a)936 418 b) 833464 c)932672

18. Fill in the boxes :

a) $\frac{4}{5} = \frac{8}{\square}$

b) $\frac{\square}{8} = \frac{10}{40}$

c) $\frac{3}{\square} = \frac{15}{40}$

d) $\frac{5}{9} = \frac{\square}{72}$

19. Check whether the following are divisible by 3.

a) 31245 b) 91286 c) 253461

20. Find :

a) $\frac{3}{5}$ of 20

b)9 of $\frac{8}{45}$

c) $1\frac{2}{9}$ of 63

Do as directed :

1. In a box 515 pencils are packed . Find how many pencils are packed in 1256 boxes.
2. In a box 435 pencils are packed. Find how many boxes are required for 53505 pencils.
3. In a carton of pens 53275 are red ink pens, 839612 are blue ink pens and 714286 are black ink pens. Find how many pens are there in the carton.
4. A plane carries 245 passengers. Find how many passengers are there in 532 such planes.
5. Population of Riyadh is 43568278 and that of Jeddah is 45638297. What is the population of these two cities.
6. Population of Dammam in 2000 was 83469325 and in 2009 it increased to 85472769. Find the increase in population.
7. Number of Indians in Saudi Arabia are 1936432 and no. of Pakistanis are 1847256 . Find which expatriates are less and by how much?
8. 70090 pencils are packed in 215 boxes. Find how many pencils are packed in a box.
9. 27608 passengers are travelling in 58 aero planes. Find how many passengers are travelling in each plane.
10. Divide largest 6 digit number by largest 2 digit number.

I Fill in the blanks :

1. 0.6 x 10 = _____

2. 4.5 ÷ 10 = _____

3. 1.74 x 100 = _____

4. 42.5 x 10 = _____

5. 0.345 ÷ 1000 = _____

6. When we multiply a decimal fraction by 100, shift the decimal point to the right by ____ places.

7. 9.25 x _____ = 92.5

8. 0.7 ÷ 10 = _____

9. 25.7 ÷ 100 = _____

10. To divide a decimal by 10, shift the decimal to the left by _____ place.

11. The product of a decimal fraction and 0 is equal to _____.

12. 26.5 x _____ = 26.5

13. 0.4 x 8 = 8 x _____

14. 72.4 x 0 = _____.

15. 362.47 x 1 = 1 x _____.

16. The product of a decimal fraction and _____ is equal to the decimal fraction.

17. If a decimal fraction and a whole number multiplied in any order, the _____ remains the same.

18. The formula for average = _____

19. The average of 2, 8, 5 is = _____

20. The _____ is a measure for characterizing a group of numbers with one another.

21. When we express a quantity as a part of 100, we use the word_____

22. 'Cent' means _____.

23. $\frac{75}{100}$ = _____ %.

24. Write an equivalent fraction with denominator 100 for the fraction ½ .

25. In a decimal fraction if we shift the decimal point two places to the right, we get the _____.

26. 0.87 = _____ %.

27. 0.082 = _____ %.

28. 6% is same as _____.

29. 25% = $\frac{\quad}{100}$

30. 175% can be written in decimal form as _____.

31. Fraction for 25% is _____.

32. 10% of 100 is _____.

33. 50% of 400 is _____.

34. 100% of Rs. 95 is _____.

35. 30% of 30 kg is _____.

II <u>Do the following</u> :

a. Convert $\frac{15}{25}$ into percentage.

b. Express $12\frac{1}{2}$ % as a fraction.

c. Express $24\frac{1}{2}$% as a decimal.

d. Convert $\frac{5}{25}$ as a decimal.

e. Find 45% of 300.

f. Which of the two is more ?

   a. 15% of 200 or 65% of 100

   b. 20% of 450 or 30% of 360

III Find the product :

a. 4.9 x 25
b. 74.58 x 129
c. 2.354 x 420
d. 0.756 x 9
e. 145.602 x 35
f. 1.74 x 5000

IV Divide and find the quotient :

a. 5.824 ÷ 125
b. 379.5 ÷ 15
c. 0.5625 ÷ 125
d. 48.84 ÷ 37
e. 744.2 ÷ 500
f. 0.06 ÷ 6
g. 43.18 ÷ 40
h. 634.2 ÷ 3000

V Find the average of the following set of numbers :

a. 45, 48, 68, 63
b. 98, 90, 85, 88, 89
c. 75, 53, 79, 2, 101
d. 135, 245
e. Rs. 40.50, Rs. 32, Rs. 18.25
f. 92 km, 80 km, 77 km, 89 km
g. 90 l, 82 l, 95 l, 79 l

VI Convert these fractions into percentages.

a. $\frac{2}{5}$ b. $\frac{25}{10}$ c. $\frac{8}{4}$ d. $\frac{11}{20}$

VII Express these percentage as fractions :

a. 25% b. $33\frac{1}{3}$ % c. 120 % d. $66\frac{2}{3}$ %

VIII Express these percentage as decimals :

a. 5% b. 28% c. $5\frac{1}{2}$ % d. 350 %

IX Express these decimals as percents :

a. 0.4 b. 2.45 c. 1.256 d. 13.5

X Express these fractions as decimals :

a. $\frac{5}{4}$ b. $\frac{25}{2}$ c. $\frac{55}{50}$ d. $\frac{4}{25}$

XI Do the following :

1. There are 90 students in a class in section. If 40% of them are girls, find the number of boys.
2. Ravi got we out of 25 in a test. What percent of marks did he get ?
3. 75% of the total students were present in the class. If the total no. of students is 40, how many students were absent on that day ?
4. Shyam got 75 out of 80 marks in Maths and 60 out of 75 marks in English. Find the percentage of marks he got in two subject, which marks is better ?
5. Out of 50 apples 15 were damaged what percentage was good apples ?
6. In a test which had 20 questions carry equal marks. Amit scored 80% marks.

How many questions did he answer correctly ?

XII Find the value of each of the following :

a. 70% of 3000 b. 25% of 600

c. 84% of 600 marks d. 7.5% of 200 ml

e. 40% of 750 kg f. $7\frac{1}{4}$ % of 600

Object Type :

1. The amount of space occupied by a solid is given by its _____.
2. The distance covered per unit time is called _____.
3. A ray has _____ point.
4. Radius is half of the _____.
5. The measure of a region enclosed by a closed figure is called _____.
6. The formula used to find a perimeter of a rectangle is _____.
7. If the radius of a circle is 9cm, the diameter is _____.
8. The measure of a straight angle is _____.
9. A triangle has _____ angles.
10. The line segment joining any two points on the circle is called _____.
11. Area of a rectangle = _____
12. An obtuse angle is always _____ than 90^0.
13. If a chord of a circle passes through its centre, it is called _____.
14. Volume = length x breadth x _____
15. The length of all radius of circle is _____.
16. Half a circle is called _____.
17. The distance around a figure is called _____.
18. HCF of 6 and 42 is _____.
19. A _____is a special kind of rectangle where length and breadth are equal.
20. A _____ has no end point.
21. When two rays have a common end point they form an _____.
22. A straight angle is equal to _____ right angles.
23. The sum of the measures of 3 angles of a triangle is _____.
24. The instrument used to measure an angle is _____.
25. _____ is the distance around the circle.
26. A line segment that joins the centre to any point on the circle is called _____.
27. LCM of 7 and 9 is _____.
28. All sides of a square are _____ in length.
29. The longest chord of the circle is the _____.
30. If the two angles of a triangle are 110^0 and 40^0 then third angle is _____.
31. The perimeter of a rectangle with length 6cm and breadth 4cm is _____.

32. If an angle lies between 0^0 and 90^0, it is an _____ angle.

33. Area is expressed in _____ units.

34. A Scalene triangle has all sides of _____ lengths.

35. A ray has _____ length.

36. Sq.cm and sq.m are units of _____ lengths.

37. A _____ has one end point.

38. The parts of an angle are _____ and _____.

39. A _____ is a closed curve whose all points are at equal distance from a fixed point.

40. The region inside a circle is called the _____ parts of the circle.

41. Half of a circle is _____.

42. The boiling point of water is _____ ^{0}C.

43. All the diameters of a circle are _____ in length.

44. The side opposite to the right angle is the _____.

45. In equilateral triangle , all sides are _____ equal in length.

46. _____ sides of an isosceles triangle are _____ in length.

47. The normal body temperature is _____ ^{0}F.

48. Each angle of an equilateral triangle measures _____.

49. A _____ is a special cuboid whose length, breadth and height are equal.

50. Volume is measured in terms of _____ units.

51. An empty box and full box of same size and same shape have _____ volume.

52. The freezing point of water is _____ ^{0} F .

53. A line segment has _____ end points.

54. Perimeter of a square is _____.

55. Perimeter is the _____ of all sides of the figure.

56. The level of hotness or coldness of an object is its _____.

57. Diameter is _____ the length of the radius.

58. _____ thermometer is used to measure human body temperature.

59. A simple closed figure made up of three line segments is called _____.

60. The boiling point of water is _____ ^{0}F.

61. If a chord of a circle passes through its centre, it is called _____.

62. The liquid metal used in Thermometer is _____.

63. The area of a rectangle with length 4cm and breadth 1cm is _____

64. The freezing point of water is _____ ^{0}C.
65. The volume of a cube of side 1m is _____.
66. The normal body temperature is _____ ^{0}C.
67. The volume of a book with its height 4cm, length 10cm and breadth 8cm is _____.
68. Volume of a cube of side 5cm is _____.
69. A ray does not have _____ length.
70. Perimeter = _____ of all sides.
71. A triangle has _____ sides, _____ angles and _____ vertices.
72. The price at which articles are bought is _____.
73. Diameter = _____ x radius.
74. To find C.P when there is a profit, _____ profit from S.P.
75. If S.P is Rs. 620 and C.P is Rs 680 , then loss is _____.
76. The price at which article is sold as _____.
77. Volume is measured in _____ units.
78. If length and breadth of a rectangle are 7cm and 6cm , then its area is _____.
79. The difference between the S.P and the C.P is called _____.
80. S. P = C.P + _____
81. If C.P of a pen is Rs 20 and S.P is Rs 25, we get a _____ of Rs. 5
82. HCF of 5 and 45 is _____.
83. An angle of measure 85^0 is called_____.
84. A line segment extended endlessly in one direction is called a _____.
85. The angle is formed at the _____.
86. A square is considered at the best unit of _____.
87. The distance around a circle is called _____.
88. All the radii of a circle are _____.
89. Half of a semicircle is a _____.
90. A circle can be divided into _____ quadrants.
91. A triangle is called acute angled if all its sides are _____.
92. Any part of the circumference of a circle is called the _____.
93. Overhead expenses are always added to _____.
94. In a triangle sum of any two sides is _____ greater the third side.
95. 5cm, 8cm and 6cm are the measures of a _____ types of a triangle.

96. If speed is 4m/sec and time is 5sec, then distance is _____.

97. If the angles of a triangle are 60^0, 90^0 and 30^0 , then it is a _____ angled triangle.

98. If S.P is SR 840 and C.P is SR 860 , then SR 20 is _____.

99. If the diameter is 20cm , then the radius is _____.

100. Area of a square of side 1cm is _____.

101. If the speed is 5m/sec , then the speed in km/hr is _____.

102. Distance = _____ x Time.

103. Circles which have the same centre are called _____ circles.

104. Area of a rectangle of length 1m and breadth 1cm is _____.

105. The sum of four equal sides of a square gives its _____.

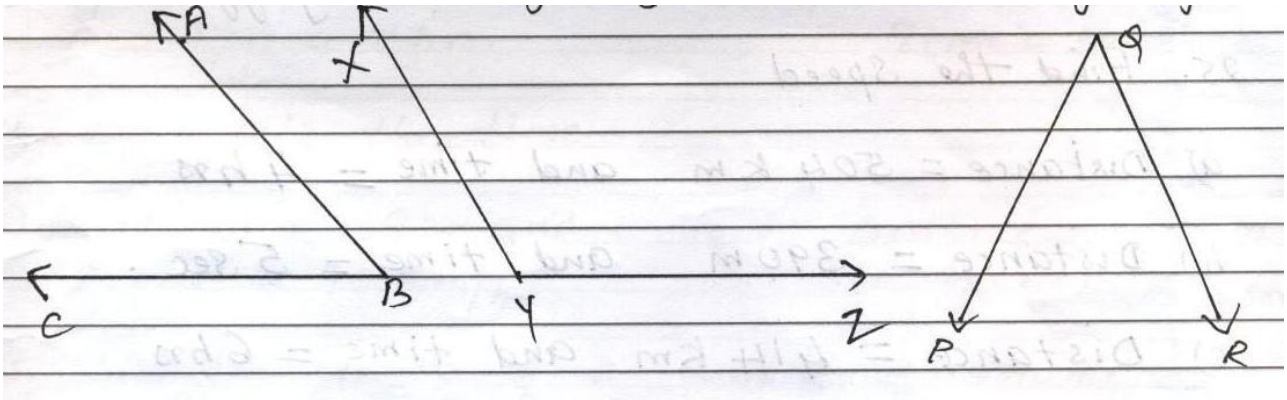
Subjective Type :

1. Find the perimeter of the rectangle with
   a) l= 45m b=28m
   b) l= 25.4cm b=13cm
   c) l= 1m b=80cm
2. Find the perimeter of the square with side
   a) 32cm
   b) 15.4 m
   c) 160cm
3. Find the area of the rectangle with
   a) l= 75cm b=35cm
   b) l= 14m b=12.5m
   c) l= 8.5m b=4m
4. Find the area of the square with side
   a) 3.5m
   b) 9.6cm
   c) 18cm
5. Find the volume of a cuboid with
   a) l= 2m b=60cm h=35cm
   b) l= 13cm b=12cm h=5cm
   c) l= 4.5m b=3.5m h=2m
6. Find the volume of a cube with side

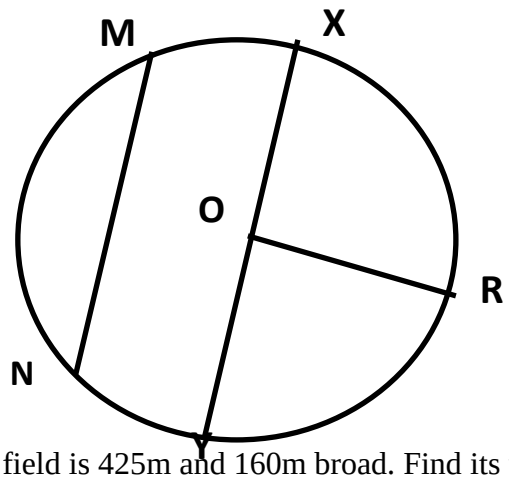
a) 3.5cm
b) 15cm
c) 4.2m

7. Find the LCM
   a) 12, 16
   b) 15, 21
   c) 36, 48
   d) 45, 75
   e) 24, 56
   f) 25, 90
   g) 88, 99
   h) 18, 63
   i) 21, 14, 42
   j) 28, 32, 16
   k) 60, 75, 90
   l) 42, 36, 18
   m) 39, 65, 78
8. Find the HCF
   a) 16, 24
   b) 14, 56
   c) 36, 28
   d) 76, 92
   e) 96, 12
   f) 26, 43
   g) 66, 44
   h) 15, 26
   i) 16, 40
   j) 34, 96
   k) 72, 90
   l) 57, 39
   m) 90, 75, 80
   n) 72, 96, 24
   o) 17, 65, 91
   p) 66, 88, 99

9. Find the diameter of the circle with radius
    a) 2.4m
    b) 3.5cm
    c) 12.5cm
10. Find the radius of the circle with diameter
    d) 25cm
    e) 17.4m
    f) 18.8cm
11. Construct the following circles :
    a) With centre O and radius 3.5cm.
    b) With centre P and diameter 9cm.
    c) Radius 4cm. Draw and measure its longest chord.
12. Draw a circle of radius 5cm and draw
    a) a radius b) a diameter c) a chord
13. Construct the following angles and state the type of angles.
    a) 65^0 b) 115^0 c)90^0 d)70^0 c)120^0
14. In which of the following construction of a triangle is possible? (angles are given)
    a) $80^0, 90^0, 75^0$
    b) $75^0, 85^0, 20^0$
    c) $50^0, 70^0, 60^0$
15. In ΔXYZ $\angle X = 40^0$, $\angle Y = 80^0$ then find $\angle Z$?
16. The length and breadth of a playground are 115m and 84m. Find the length of fencing needed to enclose this play ground.
17. In an isosceles triangle ABC, $\angle A = \angle B = 70^0$, then find $\angle C$.
18. Measure the following angles and state the type of angle



19. In which of the following construction of a triangle is possible? (sides are given)
    a) 3cm, 4cm, 3cm
    b) 5cm, 2cm, 8cm
    c) 8cm, 5cm, 13cm
20. The length, breadth and height of a brick are 12cm, 9cm and 5.5 cm. What will be the volume of it ?
21. A fish tank is 1m long, 65cm wide and 34cm high. Find the volume of water it can hold ?
22. With the help of a figure, write the name of the following :



O -

OR –

XY –

MN -

23. A rectangular field is 425m and 160m broad. Find its perimeter in Km.
24. Ravi jogs around a square park of side 60m. One day he jogged around the park 5 times. Howe much he jogged in all?
25. Find the speed
    (a) Distance = 504 km and time = 4hrs.
    (b) Distance = 390 m and time = 5 sec.
    (c) Distance = 414 km and time = 6hrs.
26. Raju bought 25 purses for Rs. 625. He sold it for SR 1250. Find how much is the profit or loss?
27. If C.P is Rs. 682.25 and loss is Rs 17.75. Find S.P ?

28. If S.P is Rs 1964.15 and C. P is Rs. 2395.75. Find how much is profit or loss?
29. If S.P is Rs 8953. 50 and profit is Rs 490. Find C.P.
30. Convert m/sec to km/hr
    a) 45m/sec
    b) 95 m/sec
    c) 65 m/sec
31. Convert km/hr to m/sec
    a) 324 km/hr
    b) 201.6km/hr
    c) 19.8 km/hr
32. A man sold a sofa for Rs 25, 500 and earned a profit of Rs. 500. Find the C.P of the sofa set.
33. Rajesh bought an old scooter for Rs. 15,750 and spent Rs 650 on its repairing. Then he sold it for Rs. 17, 500. Find his gain or loss.
34. Calculate the distance.
    a) Speed = 75km/hr and time = 7hrs
    b) Speed = 14m/sec and time = 30 sec
35. Calculate the time.
    a) Distance = 369km and speed = 90km/hr
    c) Distance = 497m and speed = 7m/sec
36. Find the length of a cuboid of volume 280cu.cm, height 5cm and breadth 7cm.
37. Find the height of a cuboid of volume 168cu.cm, length 8m and breadth 3m.
38. Find the breadth of a cuboid of volume 1210cu.cm, length 11cm and height 10cm.

Fill in the blanks:

1. A number is divisible by 10, if its one's place is _____
2. A number is divisible by_____, if its one's place is 0 or 5.
3. A number is divisible by _____, if its one's place is 0,2,4, 6 or 8.
4. _____is neither prime not composite.
5. _____is the smallest prime no.
6. _____is the only even prime no.
7. A number is divisible by 9, if the sum of the digits is divisible by _____.
8. Prime numbers have only _____factors.
9. A number is divisible by 3 if the _____ is divisible by 3.
10. Co primes are numbers which have only _____as their common factors.
11. LCM of 9 and 10 is _____
12. HCF of 17 and 19 is _____
13. LCM of 6 and 18 is _____
14. HCF of 9 and 45 is _____
15. A number is divisible by _____, if it is divisible by both 2 and 3.

Answer the following :

1. Without actual division , check whether the following are divisible by 2

   (b) 7422 (b)39582 (c)14659 (d)52314
2. Check whether the following are divisible by 3

   (a) 741352 (b)2034198 (c)317925 (d)3412920
3. Check whether the following are divisible by 4

   (a) 4137156 (b)135764 (c)34560 (d)167435
4. Check whether the following are divisible by 5

   (a) 187620 (b)258732 (c)361245 (d)705204
5. Check whether the following are divisible by 6

   (a) 4234156 (b)1027863 (c)924658 (d)1850421
6. Check whether the following are divisible by 8

   (a) 1967000 (b)2587382 (c)3614944 (d)191640
7. Check whether the following are divisible by 9

   (a) 739602 (b)2034198 (c)674132 (d)7413552
8. Check whether the following are divisible by 10

   (a) 395725 (b)6042190 (c)814231 (d)42950
9. Check whether the following are divisible by 11

(a) 666666 (b)1251206 (c)7917624 (d)6510625

10. Find LCM

(b) 36,20

(b)36, 48, 64

(c)24, 36

(d)39, 65, 78

(f) 60,72,96

(f)48,60

(g)12,15,45

(h)42,36

(j) 14,21

(j)25,65

(k)48,60

(l)35,40

(n) 50,60

(n)36, 49

(o)26,13,91

(p)60,84,96

11. Find the HCF

(a) 16,24

(b)28,36

(c)40,24

(d)52,68

(f) 36,18

(f)42,72,18

(g)16,32,40

(h)42,72,18

(j) 6,10,28

(j)66,44

(k)38,60

(l)45,18,36

(m) 26,43

Fill in the blanks :

1. Number name for 35,06,07,001 is _____.

2. If a number ends with 0,2,4,6 or 8 it is divisible by _____.

3. H.C.F of 5 and 6 is _____.

4. $1\frac{3}{4} + 0$ = _____.

5. Place value of 6 in 36,47,008 is _____.

6. All even numbers are _____except 2.

7. L.C. M of 7 and 8 is _____.

8. $4\frac{1}{5} - 0$ = _____.

9. Numeral for eighty crore six lakh five thousand is _____

10. A number is divisible by 3 if the _____ of the digits is divisible by 3.

11. H.C.F of 3 and 15 is _____.

12. Mixed numeral for 14 is _____.

13. Number name for 36, 005, 081 , 011 is _____.

14. A number is divisible by _____ if it is divisible by both 2 and 3.

15. L.C. M of 3 and 15 is _____.

16. Fraction for 8÷9 is _____.

17. Numeral for seven million five is _____.

18. A number is divisible by 5 if it has 0 and 5 in _____ place.

19. A number which has 0nly two factor is called _____.

20. $\frac{13}{19}$ is a _____ fraction .[Proper or Improper fraction]

21.A number is divisible by 10 if it is _____ in one's place .

22. Standard form for $\frac{12}{16}$ is _____.

23. 3333 × 1000 = _____.

24. Numbers which are not divisible by 2 are called _____ numbers.

25. $\frac{4}{5} = \frac{\square}{25}$

26. All prime numbers are odd except _____.

27. HCF of 12 and 16 is _____.

28. 5555 ÷ 555 = _____.

29. 415644 is divisible by 4 or not. _____[Write Yes or No.]

30. $\frac{1}{5}, \frac{7}{5}, \frac{3}{5}, \frac{4}{5}$ are _____ fractions.

31. All even numbers are composite except _____.

32. 55555 + 10000 = _____.

33. If population of Riyadh is 89,46,312 and that of Jeddah is 98,44, 312 then ___ has more population.

34. Write $\frac{4}{9}$ as division.

35. Place value of 7 in 372,462,005 is _____.

36. All prime numbers have only _____ factors.

37. LCM of 12 and 16 is _____.

38. _____ is the common factor of co-prime numbers.

39. A number which has more than two factors is called _____.

40. $1\frac{3}{5} - 1\frac{3}{5}$ = _____.

41. In an _____ fraction the numerator is greater than the denominator.

42. 38643215 can be written as _____ in Indian System.

43. _____ is neither prime nor composite.

44. HCF of 1 and 5 is _____.

45. $\frac{1}{5}, \frac{1}{15}, \frac{1}{9}, \frac{1}{7}$ are _____fractions.

46. Is 14356 divisible by 10. Write Yes or No.

47. To add or subtract the fractional numbers we must find _____ of the denominators.

48. Is 38542 is divisible by 2. Write Yes or No ._____

49. 485630051 can be written as _____ in International system .

50. $4\frac{1}{5} + 1$ = _____.

51. Numbers which are divisible by 2 are called _____.

52. Is 386005 divisible by 5. _____.[Write Yes or No].

53. A number is divisible by 9 if the sum of the digits is divisible by _____.

54. _____ is the smallest prime number.

55. LCM of 1 and 99 is _____.

56. Improper fraction for $3\frac{1}{7}$ is _____.

57. Are all odd numbers divisible by 2 . _____[Write Yes/No]

58. 483561 − 83561 =_____.

59. 10000 + 9999 = _____

60. 10000 − 9999 = _____.

61. 10000 × 9999 = _____.

62. Lowest term for $\frac{14}{21}$ is _____.

63. In Lulu market 86945 mangoes are sold out of 87143. Number of left mangoes are _____.

64. A number is divisible by 8 if the number formed by last _____ digits on the extreme right is divisible by 8.

65. Lowest term for $\frac{25}{5}$ is _____.

66. $\frac{16}{24} = \frac{2}{\square}$

67. A number which is divisible by 6 is also divisible _____and_____.

68. Is 435008 divisible by 8. _____[Write Yes or No]

69. $\frac{1}{7}$ is a proper fraction and also _____.

70. $6\frac{1}{5} - 4\frac{1}{5}$ = _____.

Answer the following :

1. Subtract
   a) 568312 from 639165
   b) 98765 from 103762
   c) 7632158 from 873697
   d)3639125 from 7256312

2. Check whether the following are divisible by 11 or not

   a) 9999999

   b) 83425617

   c) 413462

   d)9350825

3. Add the following :

   a) $\frac{3}{7} + \frac{2}{14}$

b) $1\frac{3}{15} + \frac{7}{10}$

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

4. Find the HCF of the following :

a) 24, 48, 56

b) 63, 49, 21

c) 28, 42

d) 45, 20

e) 36, 24, 12

f) 25, 49, 30

5. Check whether the following are divisible by 8 or not .

a) 312684

b) 415325

c) 816336

6. Without actual division find whether the following are divisible or not.

a)312642

b)813021

c)9163416

7. Add the following :

a) 9316258, 235689 and 13580

b) 413268, 913259 and 6285671

c) 21362, 4589615 & 732648

d) 81235867 and 9123456781

8. Find three equivalent fractions for each of the following :

a) $\frac{3}{5}$ b) $\frac{7}{9}$ c) $\frac{11}{24}$

9. Find the LCM for the following :

a) 36,48,60 b) 72,76

c)84,40,24 d)30,25,40

e)48,72 f) 56,48,64

10. Multiply the following :

a) 3896 × 432

b) 1086 × 407

c) 7156 × 155

d) 913× 4807

11. Check whether the following are divisible by 9 or not.

a) 3693321

b)814325

c)93258

d)620582

12. Check whether the following are divisible by 4 or not

a) 836142

b) 81348

c)1324896

d)832418

e) 913265

13. Check whether the following are divisible by 2 or not

a) 91613258

b)813250

c) 41536

d) 246805

e) 34564

14. Subtract the following and write in lowest term.

a) $3\frac{1}{4} - 2\frac{1}{6}$

b) $\frac{8}{9} - \frac{4}{5}$

c) $4\frac{2}{5} - 3\frac{1}{10}$

d) $\frac{7}{12} - \frac{5}{13}$

e) $1\frac{2}{15} - \frac{7}{10}$

Do as directed :

1. Divide the following :
   a. 38794 ÷ 287
   b. 302456 ÷ 715
   c. 444444 ÷444
   d. 999999 ÷100
   e. 100000 ÷999
   f. 297245÷ 392
2. Check whether the following are divisible by 3 or not.
   a) 834216
   b) 41235
   c) 816325

Answer the following :

1. There are 875682 expatriates in Riyadh. 415623 expatriates in Dammam and 987613 expatriates in Jeddah. Find how many expatriates are there in these three cities.

2. There are 796345 expatriates in Riyadh and 743682 expatriates in Alkhobar. Which city has more expatriates and by how much.

3. In a box 8563 oranges are packed. Find how many oranges are packed in 956 boxes.
4. In a box 916 mangoes are packed. Find how many boxes are required to pack 297700 mangoes.
5. Find the dividend if the divisor is 216, quotient is 493 and the remainder is 135.
6. The difference of two numbers is 8962325. If the smaller number is 7134854. Find the larger number.
7. In 157 boxes129525 apples are packed. Find how many apples are packed in a box.

8. A plane carries 545 passengers. Find how many passengers are there in 457 such planes.

9. In 325 planes 167375 passengers travel. Find how many passengers are carried in a plane.

10. In 2010 the population of a country was 8364561 and the present population is 8369526. Find the increase in population.

Decimals

Fill in the blanks

1. Decimal fractions having equal number of decimal places are called_____ decimal fractions.
2. Decimal fractions having unequal number of decimal places are called_____ decimal fractions.
3. Decimal fractions having equal values are called _____ decimal fractions.
4. 5.38, 6.95, 4.83 are _____ decimals.
5. 7.3, 1.25, 6.395 are _____ decimals.
6. 3.5 = 3.50 = _____.
7. In 12.25, the integral part (whole no. part) is _____ and the decimal part is _____.

Do as directed

1. Encircle the decimal fractions :

$\frac{2}{10,}$ $\frac{3}{7,}$ $\frac{15}{100,}$ $\frac{4}{1000,}$ $\frac{13}{11,}$ $\frac{45}{53,}$ $\frac{7}{100,}$

2. Write the following as decimals :

1. $\frac{3}{10,}$ 2. $\frac{15}{100,}$ 3. $\frac{436}{1000,}$ 4. $\frac{9}{100,}$

5. $\frac{43}{1000,}$ 6. $\frac{7}{10,}$ 7. $\frac{8}{1000,}$ 8. $\frac{349}{10,}$

3. Write the following mixed numbers as decimal :

1. $2\frac{3}{10,}$ 2. $15\frac{33}{100,}$ 3. $214\frac{5}{100,}$ 4. $6\frac{231}{1000,}$

5. $6\frac{11}{100,}$ 6. $3\frac{4}{10,}$ 7. $16\frac{25}{1000,}$ 8. $36\frac{4}{100,}$

4. Write the following decimals as mixed numbers :

1. 3.65 2. 15.003 3. 6.048

4. 4.09 5. 25.015 6. 6.39

5. Write the place value of the underlined digits :

1. 13.385 2. 6.039 3. 57.713

4. 143.84 5. 6.009 6. 42.906

6. Put the correct symbol <, > or = :

1. 3.75 ☐ 37.5 2. 12.289 ☐ 12.045

2. 9. 357 ☐ 9.53 4. 18.93 ☐ 20

3. $5\frac{7}{100}$ ☐ $5\frac{7}{10}$ 6. 9.03 $9\frac{3}{100}$ ☐

7. Arrange in columns and add :

A.1. 13.26 + 135.78

2. 16.8 + 0.85

3. 46.375 + 18.283 + 0.3954

4. 15.25 + 9 + 8.25

B.1. ₹ 38.5 + ₹ 15.75

2. 0.075 l + 25 l

3. 0.95 m + 16.85 m

4. 132 m + 0.85 m

5. 50.75 kg + 3.785 kg

6. 25 km + 5.257 km

8. Subtract the following :

1. ₹ 58 - ₹ 6.75 2. 385.28 kg - 365 kg 3. ₹ 20 - ₹ 15.75 4. 59.945 kg - 5.9 kg

5. 2 km - 1.375 km6. 48 kg - 13.475 kg

9. Convert into like decimals :

1. 3.5 , 6.95 2. 18.753, 16.2 3. 500.008, 92.3 4. 9.09, 9.9

Fractions

I Fill in the blanks :

1. $\frac{2}{5}$ x 1 = _____

2. $\frac{3}{7}$ x 0 = _____

3. $\frac{1}{2}$ x $\frac{3}{7}$ = $\frac{3}{7}$ x _____

4. _____ x $\frac{2}{9}$ = 0

5. $\frac{2}{3}$ x $\frac{3}{2}$ = _____

6. If the product of two numbers is 1, then one number is called the_____ of the other number.

7. 6 x _____ = 1

8. _____ x $\frac{5}{7}$ = 1

9. Multiplicative inverse of _____ does not exist.

10. The number whose reciprocal is number itself is _____.

11. $\frac{4}{9}$ ÷ _____ = $\frac{4}{9}$

12. $\frac{6}{7} \div \frac{6}{7}$ =_____

13. _____ ÷ 1 = $\frac{8}{9}$

14. 0 ÷ $\frac{6}{10}$ =_____

15. 1 ÷ $\frac{13}{15}$ =_____

16. We cannot divide a fraction by_____

17. $\frac{15}{16} \div 1$ = _____

18. 1 ÷ $\frac{9}{10}$ =_____

19. $4\frac{3}{5} \div \frac{23}{5}$ =_____

20. Multiplicative inverse of 5 is _____

21. Multiplicative inverse of $\frac{4}{5}$ is_____

II. Simplify

a) $\frac{3}{5} \times 12$ b) $10 \times \frac{12}{15}$ c) $3\frac{1}{3} \times 15$ d) $\frac{9}{10} \times \frac{25}{27}$ e) $\frac{13}{2} \times \frac{6}{26}$

f) $\frac{9}{16} \times 24$ g) $\frac{2}{3} \times \frac{6}{9} \times \frac{12}{15}$ h) $\frac{4}{7} \times \frac{14}{21} \times \frac{3}{}$ i) $16 \times 3\frac{3}{4}$ j) $\frac{9}{16} \times 24$

k) $25 \times \frac{20}{30}$ l) $\frac{12}{16} \times \frac{20}{25} \times \frac{5}{10}$ m) $\frac{2}{4} \times \frac{8}{10} \times \frac{7}{21}$

III. Simplify

a) $2 \div \frac{7}{8}$ b) $12 \div \frac{16}{20}$ c) $\frac{9}{15} \div \frac{1}{27}$ d) $\frac{5}{12} \div 3\frac{2}{6}$ e) $1\frac{1}{2} \div \frac{3}{9}$

f) $\frac{6}{15} \div 3$ g) $\frac{4}{5} \div \frac{2}{5}$ h) $\frac{3}{5} \div \frac{5}{5}$ i) $\frac{1}{7} \div \frac{2}{6}$

Decimal And Average

I. Fill in the blanks:

1. To multiply a decimal fraction by 10 we shift the decimal point to the right by _____ place.
2. To multiply a decimal fraction by 1000 we shift the decimal point to the_____ by 3 places.
3. 0.8 x 10 = _____
4. 6.5 x 100 = _____
5. 0.95 x 1000 = _____
6. 2.8 x _____ = 280
7. 8.45 x _____ = 84.5
8. 0.46 x _____ = 46
9. 1.98 x _____ = 0
10. _____ x 1 = 3.9
11. 0.8 x 5 = _____
12. 5.9 x 3.7 = 3.7 x _____
13. To divide a decimal fraction by 10, we shift the decimal point to the_____ by one place.
14. To divide a decimal fraction by 100, we shift the decimal point to the left by_____ places.
15. 1.5 ÷ 10 = _____
16. 25. 6 ÷ 1000 = _____
17. 0.39 ÷ 100 = _____
18. 5.92 ÷ _____ = 0.0592
19. 23.9 ÷ _____ = 2.39
20. _____ ÷ 100 = 25.35

II. Find the product

a. 4.48 x 390	b. 0.8 x 25	c. 3.5 x 96
d. 107.6 x 32	e. 3.9 x 0.6	f. 0.08 x 10.9
g. 3.75 x 4.7	h. 4.36 x 0.526	i. 7.98 x 46

III. Divide and find the quotient

a. 3.784 ÷ 4	b. 1.92 ÷ 25	c. 0.0075 ÷ 125
d. 17.76 ÷ 32	e. 0.9 ÷ 900	f. 819.6 ÷ 40
g. 1.2 ÷ 300	h. 1.05 ÷ 1.5	i. 18 ÷ 0.9
j. 11.59 ÷ 19	k. 480 ÷ 9.6	l. 545.1 ÷ 600

IV If 39 x 27 = 1053, find the product of each of the following and fill in the blanks:

a. 3.9 x 27 = _____ b. 0.39 x 2.7 = _____

b. 3.9 x 2.7= _____ d. 0.39 x 0.27 = _____

e. 39 x 0.27 = _____ f. 3.9 x 0.27 = _____

V. Fill in the blanks :

1. The _____ is a measure for characterising a group of numbers with one number.
2. An _____ gives us an idea of general standard of a group.
3. Average of 4 and 6 is _____.
4. The average of first 2 odd numbers is _____.
5. The average of first 2 even numbers is _____.

VI. Find the average of the following set of numbers.

a. 25, 30, 35, 40 b. 23, 27, 31, 35, 38

b. 15 ℓ, 27 ℓ, 30 ℓ d. 3.5, 4.6, 6.2, 7.8, 5.4

e. Rs. 24.50, Rs. 32, Rs. 35.50, Rs. 13.50 Rs. 35, Rs. 29.50

VII Do the following

a. The age of 4 children in a group is 12 years, 15 years, 13 years and 16 years. Find their average age.

b. The height of 5 boys in a class are 150 cm, 145 cm, 138 cm, 140 cm, 127 cm. Find the average height of a child in the group

c. The sum of 5 numbers is 180. Find their average.

d. The total marks obtained by Anil in 6 subject is 546. Find his average mark.

I. Fill in the blanks

1. Percent means _____.

2. The term percent comes from the Latin words _____ which means _____.

3. The symbol for percentage is _____.

4. To express a fraction as percentage convert it into an equivalent fraction with denominator.

5. $\frac{80}{100}$ = _____ %

6. $\frac{2}{100}$ = _____ %

7. $\frac{125}{100}$ = _____ %

8. If the denominator of a fraction is 100 then the numerator gives _____ equivalent to the fraction.

9. A given percentage may be expressed as a fraction by dividing the no. of percentage by _____.

10. In a decimal fraction is we shift the decimal point ___ places to the right, we get the percentage.

11. 0.02 = _____ %

12. 1.25 = _____ %

13. 100% of Rs. 25 = _____

14. 50% of 100 = _____

II. Convert these fractions into percentage

1. $\frac{1}{2}$ 2. $\frac{1}{4}$ 3. $\frac{3}{5}$ 4. $\frac{7}{10}$ 5. $\frac{15}{20}$ 6. $\frac{4}{25}$

III. Express these percentage as fractions (in the lowest form)

1. 20% 2. 75% 3. 25% 4. 45%

5. $12\frac{1}{2}$ % 6. $6\frac{1}{4}$ % 7. 120% 8. $33\frac{1}{3}$ %

IV. Express these as decimals

1. 6%

2. 25%

3. 1%

4. $4\frac{1}{2}$ %

5. 125%

6. $33\frac{1}{2}$ %

V. Express as percents

1. 0.05

2. 0.75

3. 6.5

4. 3.5

5. 0.056

6. 0.025

VI. Find the value of each of the following :

1. 5% of 100 2. 90% of 1000 3. $3\frac{1}{5}$ % of 500

4. 5% of Rs. 90 5. 250% of Rs. 80 6. 30% of 20 Kg

7. 10% of 100 g 8. 40% of 50 marks 9. 12.5% of 24 ml

VII. Which of the two is more :

1. 10% of 50 or 50% of 8

2. 30% of 200 or 25% of 300

VIII. 1. Rom got 60 out of 80 in English. Find the percentage of marks he got in the two subjects. Which mark is better ?

2. In a class of 80 students, 30% are girls. Find the number of boys.

3. There are 1500 students in a school 80% of the total students are present in the school. How many students are absent on that day?

4. Anant got 17 out of 20 marks in a test. What percentage of marks did he get?

5. Out of 40 eggs 8 were damaged. What percentage of eggs were good?

6. Arun scored 80% of marks in a test which had 15 questions carry equal marks. How many questions did he answer correctly?

Profit And Loss

I Fill in the blanks

1. The price at which an article is bought is its _____.

2. The _____ includes overhead expenses.

3. The Price at which an article is sold is its _____.

4. If the goods are sold at higher price than C.P. then there is a _____.

5. If S.P. < C.P. then there is a _____.

6. If S.P. > C.P. then S.P. – C.P. = _____.

8. S.P. = Rs. 210 C.P. = Rs. 190 then Profit = _____

7. If S.P. < C.P. then C.P. - S.P. = _____.

II Find the Profit or Loss

1. SP = Rs. 12350 CP = Rs. 11950

2. SP = ₹ 920.50 CP = ₹ 860

3. SP = ₹ 1540 CP = ₹1682.50

4. SP = ₹ 25580 CP = ₹ 26495.00

III Find the selling price

1. CP = ₹ 650.25 Profit = ₹ 40.75

2. CP = ₹ 908.50 Profit = ₹ 60.50

3. CP = ₹ 625.50 Loss = ₹ 35.50

4. CP = ₹ 75 Loss = ₹ 2.50

IV Find the cost price

1. SP = ₹ 35.25 Profit = ₹ 6.50

2. SP = ₹ 54.00 Profit = ₹ 4. 25

3. SP = ₹ 24.20 Loss = ₹ 2.40

4. SP = ₹ 28 Loss = ₹ 3.20

V . 1. Anu bought a sewing machine for Rs. 4830 and sold it at loss of Rs. 265. Find the selling price?

2. Rohit bought a fridge for Rs. 9450 and spent Rs. 380 for transportation. He sold it for Rs. 9975. Find his profit or loss.

3. Ram bought an old bicycle for Rs. 650 and spent Rs. 85 on its repairing. Then he sold it for Rs. 800. Find his gain or loss.

4. Arun bought a T.V. for Rs. 7750. He spent Rs. 125 on its transportation. Then he sold it at a gain of Rs. 225. Find the selling price.

Area And Perimeter & Volume

Objective Type

1. The amount of surface occupied by a figure is given by its _____.
2. The formula used to find the perimeter of rectangle is _____.
3. The area of rectangle with length 12 cm and breadth 8 cm is _____.
4. The distance around a closed figure is called its _____.
5. The perimeter of square of side 15 m is _____.
6. Volume of cuboid = length x _____ x height
7. The amount of space occupied by a solid gives its _____.
8. The measure of inner space of a hollow solid is called its _____.
9. The volume of cube of edge 5 cm is _____.
10. Sq m and sq cm are units of measuring_____.
11. The perimeter of rectangle with length 8 m and width 5 m is _____.
12. The volume of a cuboid with length 5m, breadth 4m and height 3m is _____.
13. Volume is expressed in _____ units.
14. Area is expressed in _____ units.
15. All sides of a square are _____ in length.
16. An empty box and full box of same size and shape have _____ volume.
17. Perimeter = _____ of all sides.
18. 4 x side gives the _____ of a square.
19. The perimeter of a triangle with side 9 cm, 8 cm and 7 cm is _____.
20. Length x breadth gives the _____ of a rectangle.
21. The area of a square of side 12 cm is _____.
22. The _____ of a figure is the number of times the unit square is continued in the figure.
23. Cubic metre and cubic centimeter are units of measuring _____.

24. A _____ is a special cuboid whose length, breadth and height are equal.

25 A _____ is a special rectangle whose length and breadth are equal.

Subjective Type questions :

1. Find the area of the square with

   a. Side = 14 cm

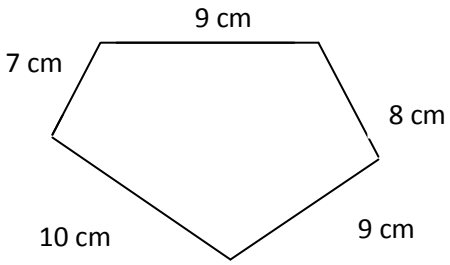
   b. Side = 8.5 m

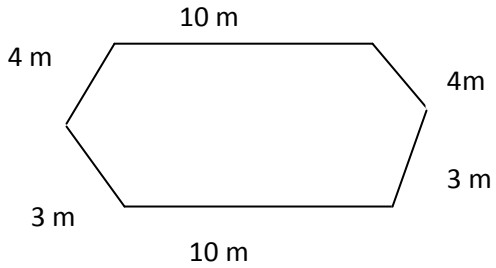
2. Find the area of rectangle with

   a) ℓ = 15 cm b = 10 cm

   b) ℓ = 25m b = 9.5 m

3. Find the perimeter of the following shapes





4. Find the perimeter of a square whose

   a) side = 18 cm

   b) side = 36.25 m

5. Find the perimeter of rectangle whose

   a) ℓ = 24 cm b = 16 cm

   b) ℓ = 32.5 m b = 25.25 m

6. Find volume of a cube of edge

   a) 13 cm

   b) 21 m

7. Find the volume of a cuboid with

   a) ℓ = 12 cm b = 10 cm h = 8 cm

b) ℓ = 15 cm b = 7.5 m h = 9.5 m

8. Find the missing dimension in the following cuboid.

a. V = 2400 cu cm
   ℓ = 60 cm
   b = 8 cm
   h = ?

b. V = 1350 cu cm
   ℓ = 20 cm
   b = ?
   h = 7.5 cm

b. V = 380 cu m
   ℓ = ?
   b = 9.5 m
   h = 2 m

9. A rectangular field is 425 m long 160 m broad. Find the perimeter of the field in km.

10. The length, breadth and height of a brick are 14 cm, 10 cm and 6 cm respectively. Find the volume one brick and 10 such bricks.

11. A fish tank is 60 cm long, 30 cm wide and 40 cm high. Find the volume of the fish tank.

12. A square park has a side of 80 m. Find the total distance you cover in jogging around it 5 times.

13. The edge of a cuboid wooden boxes 50 cm find its volume.

Lines, Angles, Circles and Triangles

I. Fill in the blanks:

1. A line segment has _____ end points.
2. A ray extends in _____ direction.
3. A _____ has a definite length.
4. A line has _____ end points.
5. You cannot measure a _____ and a _____.
6. A ray has _____ end point.
7. Two rays having a common end point form an _____.
8. A right angle measures _____.
9. Acute angles is more than _____ and less than _____.
10. A _____ angle measures 180^0
11. _____ angle is more than 90^0 and less than 180^0.
12. An angle that is 89^0 is an _____ angle.
13. _____ angle is more than 0^0 and less than 90^0.
14. The common end point which forms an angle is called its_____.
15. The part of line that has 2 end point is a _____.
16. An angle that is 100^0 is an _____ angle.
17. Lines that meet at right angle are called _____ lines.
18. The needles at 9:15 a.m. form a _____ angle on the face of the clock.
19. Every point on a circle is at the same distance from the _____.
20. A line segment from centre to any point on the circle is called _____.
21. All the radii of a circle are _____.

22. A line segment whose end points are on the circle is called a _____ of the circle.

23. The longest chord of a circle is called a _____.

24. The radius of circle is _____ of the diameter.

25. The diameter of a circle is passes through the _____ of the circle.

26. The diameter of a circle is _____ the radius.

27. All the diameters of a circle are _____.

28. We can use a _____ protractor to measure angles.

29. In $\angle$ PQR, the vertex is _____ and the arms are _____ and _____.

30. Diameter = 2 x _____.

31. Radius = _____ ÷ 2

32. The radius of a circle is 6 cm. Its diameter is _____.

33. The diameter of a circle is 11 cm. Its radius is _____.

34. A triangle has _____ sides and _____ vertices.

35. A scalene triangles has all sides are _____ in lengths.

36. An equilateral triangle has all sides, are _____ in lengths.

37. An isosceles triangle has _____ sides are equal in length.

38. Each angle of an equilateral triangle is measure _____.

<u>Subjective Type questions :</u>

1. Find the diameter of the circle with radius

   a. 2.7 cm b. 12.3 cm c. 7.5 cm d. 8 cm

2. Find the radius of the circle with diameter

   a. 9 cm b. 14 cm c. 4.4 cm d. 11.8 cm

3. Draw the circles

   a. radius = 4.5 cm b. Diameter = 10 cm

   c. radius = 3.5 cm and measure its longest chord

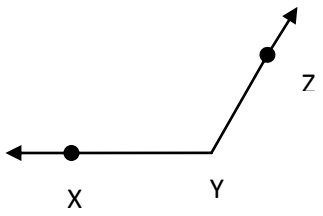
4. Construct the following angels and state the type of angles.

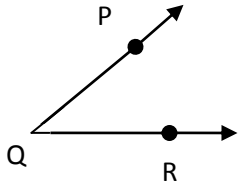
   a. 65^0 b. 120^0 c. 90^0 d. 30^0 e. 105^0

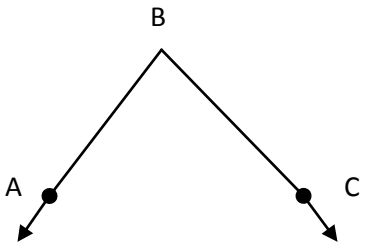
5. In Δ ABC, $\angle A = 50^0$ and $\angle B = 70^0$, the find $\angle C = ?$

6. In an isosceles Δ PQR, $\angle P = \angle R = 65^0$, then find $\angle Q = ?$

7. Measure the following angles and state the type of angle.







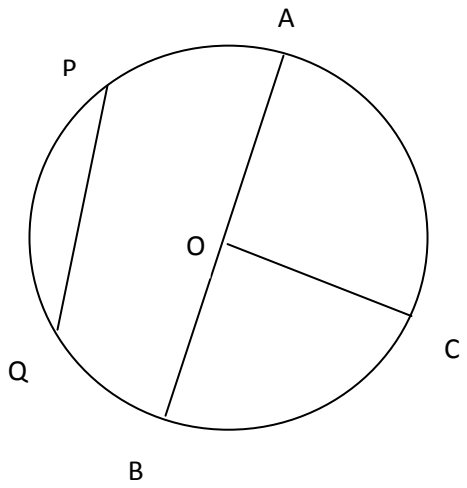
8) With the help of the figure, write the name of the following

i) PQ =

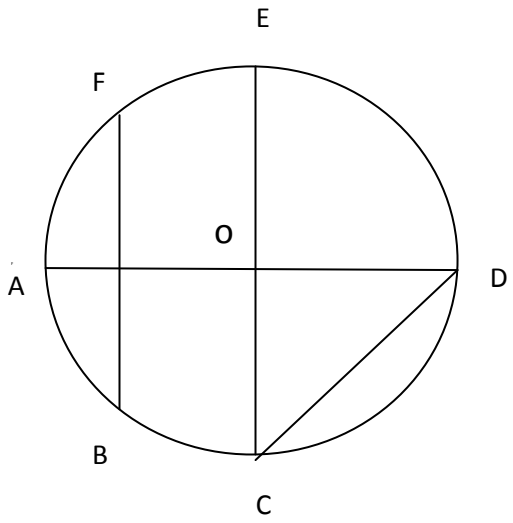
ii) AB =

iii) O =

iv) OC =



9) In the given figure name the following



i) Centre of the circle

ii) All the radii

iii) All the diameters

iv) All the chords

10) In which of the following cases is a triangle possible with given group of sides

i) 8 cm, 7 cm, 15 cm

ii) 9 cm, 6 cm, 8 cm

iii) 1 cm, 2 cm, 4 cm

iv) 3 cm, 4 cm, 5 cm

11) In which of the following cases is the construction of a triangle possible.

i) 80^0 , 70^0 , 60^0

ii) 90^0 , 45^0 , 45^0

iii) 50^0 , 50^0 , 80^0

iv) 39^0 , 85^0 , 65^0