## I) FILL IN THE BLANKS

**1) 1 kg is ---------------------- g.**

**2) Fraction for 19 ÷ 23 is --------------------.**

**3) If the S.P of an article is more than C.P then the shop keeper earns ---------------.**

**4) Perimeter of a rectangle is ------------------------.**

**5) An ---------------------- is formed by two rays with a common end point.**

**6) The number of lines of symmetry for the fig ☐         is ------------------------       .**

**7) If C.P  > S.P then the difference is --------------------**

**8 ) A lady sold a watch for SR 800 to earn a profit of SR100,then the C.P of the watch is ---------.**

**9) $\frac{5}{14}$ + $\frac{3}{14}$  = ------------------------.**

**10) Reciprocal of 18 is ----------------------.**

**11) 1m is ----------------------- km.**

**12) If the cross product of two fractions is same then the fractions are -----------------------.**

**13) Area of a rectangle of length 15 cm and breadth 10 cm is -----------------------.**

**14) Volume of a cuboid of length 8m ,breadth 2m and height 1m is -------------------------.**

**15) An angle of measure greater than $90^0$ less than $180^0$ is called ---------------------------------.**

**16) $\frac{4}{5}$, $\frac{8}{5}$  ,$\frac{1}{5}$, $\frac{5}{5}$ , are all   -------------------- fractions.**

**17) The letter H on $\frac{1}{4}$ turn will look like ---------------------.**

**18) $\frac{24}{30}$ =  $\frac{}{5}$**

**19) $\frac{7}{4}$  -    $1\frac{3}{4}$   = --------------------.**

**20) Are $\frac{4}{5}$  and    $\frac{8}{5}$   are equivalent fractions? Write yes or no --------------**

**21) If C.P of an article is Rs 70 and profit is Rs 10 then S.P is ----------------------.**

**22) Perimeter of a square of side 1cm is ----------------.**

**23) Amount of space occupied by an object is called ---------------------.**

**24) The unit of measuring an angle is called a ----------------------.**

25) Mixed fraction for $\dfrac{18}{5}$ is --------------------------------.

26) To get an --------------------- fraction we multiply or divide the numerator and denominator of the given fraction by the same number .

27) Are the fractions $\dfrac{5}{16}, \dfrac{5}{11}, \dfrac{5}{6}$ and $\dfrac{5}{15}$ are like or not? Write yes or no ----------------------.

28) $0 + \dfrac{8}{17}$ =-------------------.

29) $1l$ is ------------ m $l$.

30) $\dfrac{3}{7}$ = $\dfrac{12}{\underline{\phantom{xx}}}$

31) If S.P > C.P the difference is ----------------------------------

32) Perimeter of a square is ---------------------------.

33) The letter **A** on $\dfrac{1}{2}$ turn will look like -------------------.

34) A fraction is said to be in its lowest term if the common factor of numerator and denominator is ---------------------------

35) An angle of measure $145^0$ is called -------------------.

36) In a square the length is ------------------ to its breadth.

37) In unlike fractions with the same numerators, the fraction with the greater denominator is ---------------------.

38) $\dfrac{4}{5}$ X ----------------- = $\dfrac{4}{5}$

39) $\dfrac{1}{17}$ is a proper fraction and also ----------------------------.

40) If C.P of an article is more than its S.P then the shop keeper makes a -----------------.

41) A square of side 1cm or 1m is the standard unit of -----------------.

42) An angle of measure $180^0$ is called ---------------------.

43) Volume of a cube is ----------------------

44) Improper fraction for $3\dfrac{2}{7}$ is --------------------.

45) $\dfrac{8}{15}$ - 0 = ---------------.

46) 1g is -------------------kg.

47) A man bought a mobile for SR500 and sold it at a profit of SR150, then the S.P is -------.

48) Area of a square is ------------------------.

49) An angle of measure $45^0$ is an ------------------ angle.

50) To compare unlike fractions we first convert them to --------------------- fractions.

51) Sohail bought a pen for SR50 and sold it for SR 65 then SR 15 is ----------------------.

52) If C.P is SR 500 and gain is SR 100 then S.P is -----------------------.

53) $\frac{5}{16}$ — ---------------- = $\frac{5}{16}$

54) When we buy an article the overhead expenses are always added to the ----------------.

55) If C.P of an article is Rs 145 and S.P is Rs 150 then profit is ---------------------.

56) If the perimeter of a square is 20m then its side is -----------------------------.

57) Volume of a cube of edge 1m is ---------------------.

58) The instrument used to measure an angle is called a -----------------.

59) The number of lines of symmetry for the   fig   ☺   is --------------.

60) $\frac{18}{7}$   -   $2\frac{4}{7}$ = ----------------------------

61) Reciprocal of 1 is ----------------------.

62) Reciprocal of   $7\frac{3}{4}$ is ---------------------.

63) 1km is -----------------------m.

64) If a fraction is multiplied by 1 we get the -------------------------- fraction.

65) $1\frac{2}{3}$  -  0 = $\frac{5}{3}$

66) Perimeter of a figure is the --------------------of all its sides.

67) An angle of measure less than $90^0$ is called an --------------- angle.

68) Volume of a cuboid is ----------------------.

69) The letter **M** on $\frac{1}{2}$ turn will look like ----------------.

70) 1881 looks like ----------------------- after half turn.

71) A------------------- is a collection of points going endlessly in both directions along a straight path.

72) ----------------- is the basic unit of geometry.

73) $\frac{3}{7}$ x 1  = --------------.

74) 1 m is ------------------------ km.

75) If S.P of an article is Rs 160 and loss is Rs 28 then C.P is -----------------------.

76) Area of a rectangle is ------------------.

77) An angle of measure $43^0$ is called an -------------- angle.

78) ----------------------------- is part of a line which has two end points.

79) $\frac{3}{14}$ x 0 = ------------.

80) In < BCD the letter B is called the -------------------------of the angle.

81) Two right angles next to one another form a--------------------------- angle.

82) $\frac{4}{7} = \frac{16}{\quad}$ .

83) If C.P of an article is Rs 82 and profit is Rs 22 then S.P is ------------.

84) Area of a square of side 1cm is -----------------.

85) The midpoint of baseline of protractor is known as --------------- of the protractor.

86) Reciprocal of $\frac{5}{11}$ is ----------------.

87) A cube of edge 1cm or 1m is the standard unit of -------------------.

88) In <PQR the arms are ---------------------- and ------------------------------..

89) $\frac{7}{12}$ x ------------- = 1.

90) If C.P of an article is Rs 200 and S.P is Rs 220 then the profit is -------------.

91) An angle of measure $95^0$ is called --------------------.

92) ------------------------ is a special rectangle whose length and breadth are equal. .

93) $\frac{4}{9} = \frac{\quad}{45}$

94)The volume of an object immersed in water is ------------------------- if the level of water is raised by 35ml.

95) $\frac{13}{16} \div 2\frac{1}{6}$ = ---------------------

96) An angle of measure $125^0$ is an ------------------- angle.

97) The number of lines of symmetry for the fig  are ------------.

98) If the S.P of an article is SR 50 and loss is SR12 then the C.P is ----------------------------.

99) The lines of symmetry for  are ----------------------------

100) $0 \div \frac{5}{23} =$ ---------------.

## II) ANSWER THE FOLLOWING

**1) Multiply the following**

a) $\frac{4}{5} \times \frac{20}{24}$  b) $6\frac{3}{5} \times \frac{15}{55}$  c) $\frac{63}{70} \times \frac{25}{100}$  d) $\frac{4}{16} \times \frac{18}{24}$  e) $\frac{42}{56} \times \frac{64}{72}$

**2) Subtract the following**

a) $6 - \frac{2}{7}$  b) $3\frac{2}{3} - 1\frac{1}{2}$  c) $\frac{3}{5} - \frac{1}{3}$  d) $\frac{2}{7} - \frac{3}{14}$  e) $\frac{8}{9} - \frac{5}{6}$
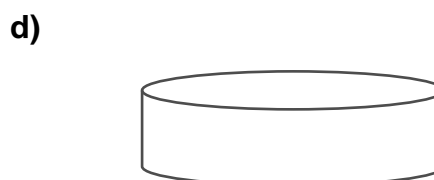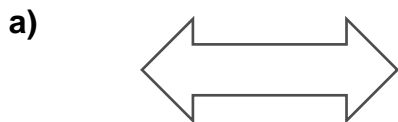
**3) Construct the following angles and also state what type of angle is each.**

a) $130^0$ b) $65^0$  c) $90^0$  d) $125^0$  e) $75^0$  f) $105^0$  g) $180^0$  h) $60^0$

**4) Find the perimeter of a square of side**

a) 13 m   b) 35 cm     c) 41m     d) 22 cm

**5) Draw the lines of symmetry for the following figures.**

a) 

b) 

c) 

d) 

**6) Find the cost price for the following**

**a) S.P is  Rs 7354  ,loss  is Rs 432**          **b) S.P is  Rs 273.25  ,profit is Rs 31.5**

**c) S.P is Rs  2685 , profit is Rs 228**        **d) S.P is Rs633.5  , loss is Rs 17.75**

**7) Draw on $\frac{1}{4}$ turn how do the letters look like.**

**a ) H  b) T  c) X  d) A  e) S  f) V  g) F  h) P**

**8) Reduce the following to the lowest term**

**a) $\frac{16}{24}$  b) $\frac{12}{18}$  c) $\frac{33}{55}$  d) $\frac{18}{25}$  e) $\frac{36}{48}$**

**9) Convert the following**

**a) 8 km to m   b) 6.5 kg to g   c ) 2480 m$l$ to $l$  d) 5.5 km to m   e) 12.9 kg to g   f) 930 m to km
g) 9500 g to kg  h) 16235m to km  i) 6530g to kg  j) 4.58 $l$ to m$l$**

**10) Find the Selling price for the following.**

**a) C.P is Rs 7356, loss is Rs 216**                **b) C.P  is   Rs  8375 , profit is Rs 185**

**c)  C.P  is   Rs  153.50 , loss is Rs 26.75**        **d) C.P is Rs3675.25 ,profit is Rs 824.75**

**11) Solve the following.**

**a) $\frac{5}{6} \div \frac{35}{2}$  b)   $2\frac{1}{3} \div \frac{7}{15}$  c) $2\frac{1}{6} \div \frac{26}{9}$  d) $9 \div \frac{6}{7}$  e) $14\frac{1}{4} \div 2\frac{3}{8}$  f)  $\frac{48}{40} \div \square \; \frac{6}{5}$**

**12) Multiply the numerator and denominator of the following by 6 to get an equivalent fraction.**

**a)  $\frac{2}{3}$  b) $\frac{7}{5}$  c)  $\frac{1}{3}$  d)   $\frac{8}{15}$  e)  $\frac{9}{11}$**

**13) Find the volume of a cube of following sides**
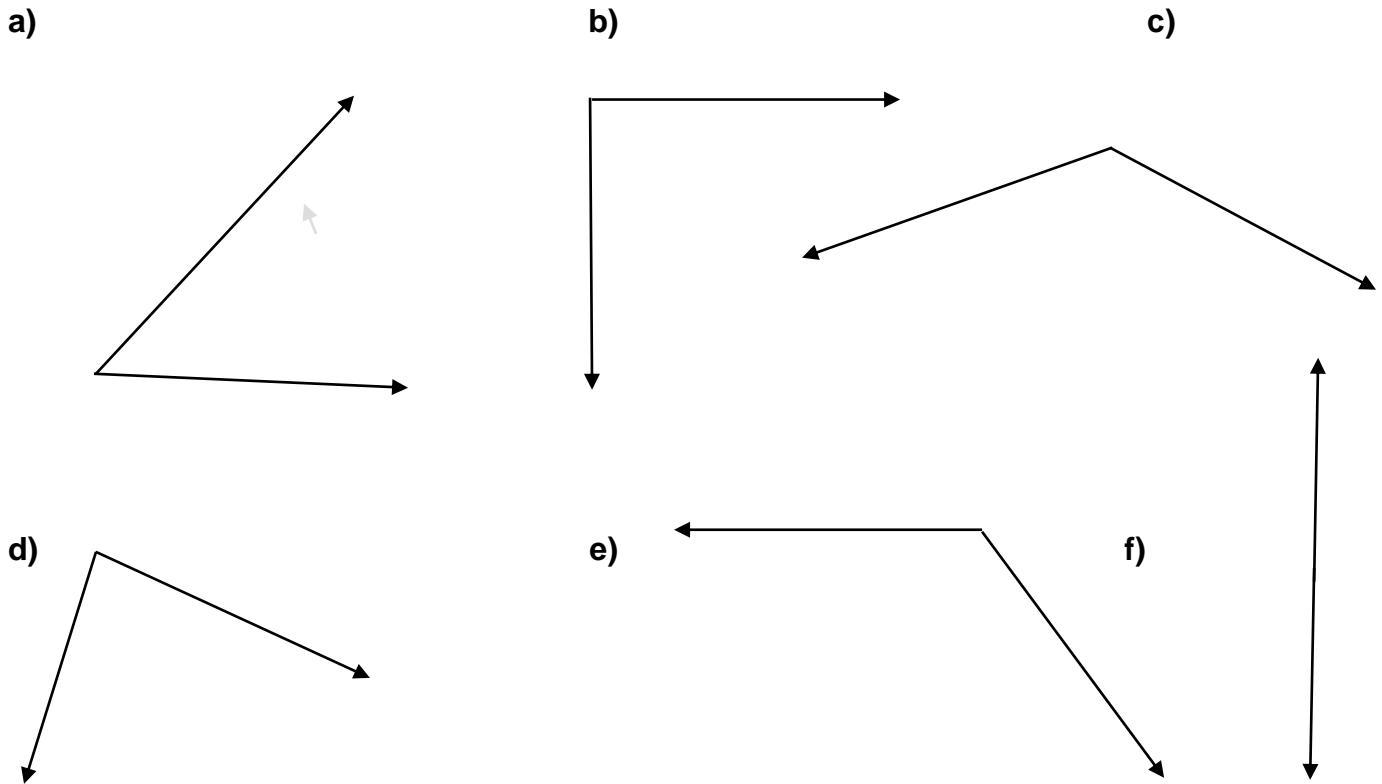
**a)side =3.5m b) side = 15cm c) side = 1.2m d) side = 14.5 cm**

**14) Draw on $\frac{1}{2}$  turn how do the following letters look like.**

**a) V  b) W  c) T  d) X  e) H  f) U  g) A  h) S**

**15) Find the perimeter of the following rectangles.**

**a) l = 36m,b = 12m  b) l= 34.5cm ,b =14cm  c) l = 256cm ,b = 125 cm d) l =72m , b = 34 cm**

**16) Measure the following angles and also state what kind of angle is each.**

**a)**

**b)**

**c)**

**d)**

**e)**

**f)**

**17) Divide the following by a common factor to get an equivalent fraction.**

a) $\frac{12}{16}$   b)   $\frac{15}{20}$   c)   $\frac{27}{48}$   d) $\frac{36}{54}$   e)   $\frac{55}{65}$

**18) Radhika walks 6 times around a square park of side 80m in a day .Find the distance covered by her.**

**19) A man bought a TV for SR 3000 and later when he sold he earned a profit of SR 550.Find for how much did he sell.**

**20) If the length is 9m and area is 54sqm ,then find its breadth.**

**21) Find the area of the following squares each of side**

 a) 13m  b) 4.5m  c)21cm  d) 8.2 cm

**22) Find the volume of a cuboid with the following measures .**

a) l = 25m ,b =14 m & h =7m     b)  l = 3.6m, b =2m & h = 1.6 m

c) l =15cm ,b =12cm & h =9cm   d) l =18 cm , b = 7.5 cm & h =6 cm

**23) Find how much is the profit or loss .**

a) C.P is Rs 6532 ,S.P is Rs 7785  b)  C.P is Rs 996.25 ,S.P is Rs 968.50

 c) C.P is Rs 4785 ,S.P is Rs 3895          d) C.P is Rs 5555 ,S.P is Rs 5800

**24) Find the area of the following  rectangles.**

a) l = 35 m , b = 24m    b) l = 7.5 m , b = 5m    c) l = 56cm ,b = 35cm    d)  l = 18 cm , b =  8cm

**25) Add the following.**

a) $\frac{4}{5} + \frac{4}{15}$   b) $\frac{4}{7} + \frac{2}{21}$  c) $\frac{7}{20} + \frac{4}{15}$   d) $1\frac{2}{5} + \frac{3}{4}$   e) $\frac{8}{9} + \frac{3}{9}$

**26) The length of the field is 154.5m and breadth is 120m .find the perimeter of the field.**

**27) Put > ,< or = in each ☐**

a) $\frac{4}{9}$ ☐ $\frac{7}{11}$   b) $\frac{3}{7}$ ☐ $\frac{9}{21}$  c) $5\frac{3}{7}$ ☐   $4\frac{1}{3}$   d)  $6\frac{1}{3}$ ☐  $\frac{2}{3}$

**28) Ravi bought an old car for SR 30 000 and spent SR 5500 on its repairs. Later he sold it for SR 45 000.Find how much is the profit or loss .**

**29) A Register is 25cm long, 15cm wide and 3cm high. Find the space occupied by 5 registers if they are piled up one upon the other.**

**30) A square chart has a border of 120cm.Find the length of each side of the chart and also find its area.**

**31) Find the cross product to check whether the following fractions are equivalent or not.**

a)  $\frac{3}{5}$ , $\frac{15}{25}$   b) $\frac{12}{18}$ , $\frac{6}{9}$   c) $\frac{45}{50}$  , $\frac{8}{9}$   d)  $\frac{17}{19}$ , $\frac{3}{4}$   e) $\frac{4}{5}$  , $\frac{12}{20}$

**32) Find which of the following look alike after half a turn.**

a) I 0 I 0 8  b) N O N  c) 8 0 I 0 8  d) Z I O N  e) Z X O X Z  f) I 0 8 0 I

**NOTE : Please go through all the definitions and examples of the text book.**