Fill in the blanks :

1. The symbol for 100 in the Roman Numeral is _____.

2. The place value value of 3 in 28,38,19,764 is _____.

3. The numbers that are being added are called _____.

4. A line segment has _____end points.

5. The greatest 6 digit number formed by the digits 2,5,3,8,7 and 6 is _____.

6. The answer we get on subtraction is called the _____.

7. The Roman Numerals are formed by _____ symbols.

8. The place value _____is zero in the number 5, 06, 718.

9. A straight line has _____end points.

10. The answer we get on division is called the _____

11. To get the successor of a number we add _____to the number.

12. Roman symbols are repeated only up to _____times(except I, V and L)

13. The symbols I,V and L are _____repeated.

14. _____order means arranging numerals from small to big.

15. Area of a square is given by _____ ✕ _____.

16. 200000 + 3000 + 20 + 5 = _____.

17. If a symbol is written on the right of a greater symbol its value is _____ to the value of the greater symbol.

18. Multiplication is _____ addition of the same number.

19. The successor of the largest 6 digit number is _____.

20. There is _____zero in the Roman Numerals.

21. The longer side of the rectangle is called the _____of the rectangle.

22. A _____has one end point only.

23. In the _____period we have the ones, tens and hundreds places.

24. The symbols _____and L are not written to the left of a greater symbol.

25. The perimeter of a rectangle is given by _____.

26. The predecessor of a 10 lakhs is _____.

27. Dividend = _____ ✕ divisor + _____.

28. The smallest 7 digit number is _____

29. The distance around the edge of a figure is called its _____.

30. _____is the amount of surface a figure covers.

31. The perimeter of a n equilateral triangle is _____ ✕ one side.

32. The number which comes just _____ a number is called its Predecessor.

33. 0 ÷ 5 = _____

34. 3,47,689 ⬚ 3,743689 (Write >, < or =)

35. 412 × 160 = _____ ×412

36. 725 + 400 + _____ = 400 + 625 +725

37. If there is no remainder , the quotient and divisor are always the _____ of the dividend.

38. Area of a rectangle is given by _____ × _____.

39. The numeral for four lakhs and four is _____.

40. The perimeter of a plane figure is given by the sum of the _____ of all its sides.

II) Choose the correct answer :

1. The place value of 5 in 758693 is

    a) 500000   b) 50000   c) 5000

2. The successor of 76,809 is

    a) 77000   b) 76808   c) 76810

3. The numeral for five crore eighty lakhs and six is

    a) 5,80,00,006 b)5,08,006   c)5,80,600

4. The value of the Roman Symbol M is

    a) 1000   b)100   c)500

5. The area of a square of side 4cm is

    a)8cm   b)32cm   c)16sq.cm

6. The numeral for 1,00,000 +5,000+10+8 is

    a) 1,50,018   b)1,05,018   c)15018

7. If a number is multiplied by 1 the product is

    a) the number itself   b)1   c)none

8. The predecessor of 8,05,500 is

    a)8, 05, 499   b)8,04,990   c)8,50,000

9. The Hindu Arabic numeral for XXXVIII is

    a) 47   b)37   c)38

10. The smallest 5 digit number by 1,0,9,6,7 is

    a) 01967   b)10679   c)19670

11. The place value of 7 in 1,79,63,214 is

    a)7 lakhs   b)70 lakhs   c)7 crores

12. The perimeter of a rectangle of l = 5cm and b = 4cm

    a) 18cm   b)9cm   c)18sq cm.

13. The product of 105 × 600 is

    a) 630000   b)10500   c)63000

14. The quotient in 802÷100 is

    a)8   b)2   c)80

15. The perimeter of a square of side 5cm is

    a)25 sq cm   b)20cm c)25cm

16. Which is the greatest numeral ?

    a)20, 36,785   b)20,63,875   c)20, 68,375

17. The remainder in 5670 ÷ 1000 is

    a) 5   b)670   c)70

18. _____ sides of a rectangle are equal

    a)all   b)any two   c)opposite

19. The symbols I, X , C and M may be repeated up to _____times in Roman Numeral.

    a)2   b)3   c)4

20. It has a fixed length.

    a)Line segment   b)Line   c)Ray

21. Side × Side gives the area

    a)square   b)rectangle   c)Triangle

22. The number from which another number is to be subtracted is called the _____

    a)Difference   b)Minuend   c)Subtrahend

23. In 5679823, the digit whose value is 70000 is

    a)7   b)9   c)6

24. The number that comes just after a number is called its

    a)Predecessor   b)Difference   c)Successor

25. In 45 × 4 = 180 , the multiplicand is

    a)180   b)45   c)4

Do as directed :

1. Write the numeral for

    a. One crore nineteen lakhs eighty thousand four hundred and thirty six.

2. Draw a line segment of length 6cm

3. 800000 + 50000 +6000 + 900 +20 +3

4. Write the Roman Numeral for

a) 37 =

b)48 =

c) 13 =

5. Add the following

9 5 5 2 0 3 + 4 8 6 2 1 3 5 0 9 8	2 3 0 6 9 5 4 + 9 8 7 1 2 3 2 6 5 0 9 8

6. Multiply :

9 3 6 4 ✕2 7	8 0 7 ✕5 6 4

7. Divide and Check :

a) 7349 ÷ 8   b) 2056 ÷ 7

8. Find the difference :

7 0 0 0 0 0 −8 5 6 3 2	8 5 6 3 2 4 9 −6 0 3 9 4 2 8

9. Write the Hindu Arabic Numeral for :

a) XLVI =   b)XXIX =   c)XXXVIII =

10. Write the expanded notation for

a) 2, 14, 568

b)4, 06, 078

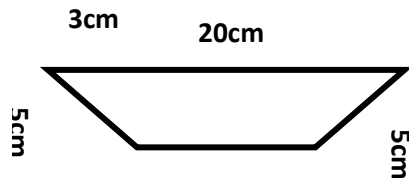11.Write the place value of the underlined digits

a)2,70,92,864
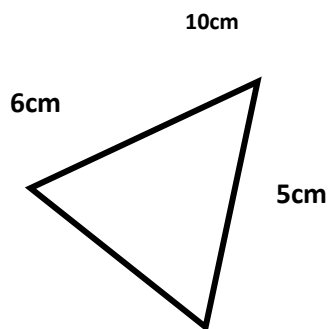
b)4,69,31,508

12.Find the perimeter of the following :

a)

3cm

3cm   3cm

b)

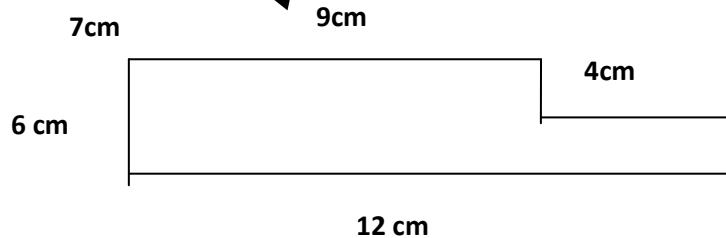3cm   20cm

5cm   5cm

10cm

c)

6cm

5cm

9cm

d)

7cm

4cm

6 cm

12 cm
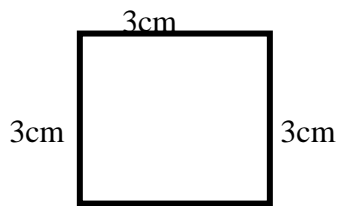
13. Find the quotient and the remainder :

a) 2475 ÷ 23

b)1390 ÷ 65

13. Find the length of the line segment :

a) A _____ B

b) P _____Q

c) X _____ Y

14. By using suitable grouping find the product of

a) 2 × 65 × 5   b) 16 × 4 × 125   c) 5 × 29 × 20

15. Arrange the following in Ascending order :

a) 2 76 509;   2 46 590;   2 76 590;   2 47 509

b)5, 20, 16, 735;   5 26 875;   5 62 785;   3, 07, 16, 735

16. Find the perimeter of the following figures :

a) Rectangle of l=7cm and b = 5cm

b)Square of side 8cm

c)Equilateral triangle of side 10cm

17. Write the short form for the following :

a) 6 00 00 000 + 7 00 000 + 50 =

b) 7 00 00 000 + 80 00 000 + 3000 + 3=

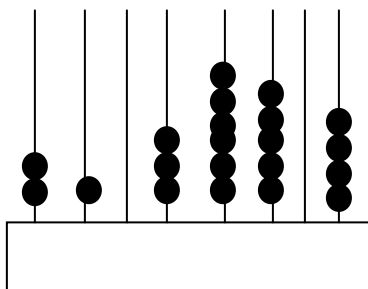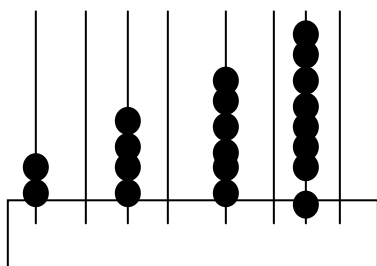18. Find the area of a rectangle with the following measurements :

a) length = 12cm   breadth = 6cm

b)length = 25cm   breadth = 15cm

19. Write the Hindu − Arabic numeral for the following :

a) XXVII =   b) XXXIX =

c)XLIII =   d) XLV =

e)XVIII =   e)XXXIII =

20. Write all the possible 3 digit numbers using the digits 6, 9, 2

21. Find the numbers represented on the abacus :

22. Circle the greatest numerals :

a) 25, 67, 890;   20,345;   2,00,69,412;   25,928

b)14, 85, 210;   59, 799;   14, 27, 509;   59, 979

23. Find the area of the following squares of side :

a) 20cm   b)13cm

24. Write the greatest and smallest 6 digit numbers using the digits :

	Greatest	Smallest
8, 0, 1, 3, 7, 5		
6, 7, 3, 4, 2, 9		

25.Arrange the following in Descending order :

a) 7, 89, 012;   16, 54, 321;   90,24,372;   5,67,890

b)36,43,709;   36,34,709;   36,34,970;   36,43,970

26. Circle the least number in the following :

a)199363;   86251; 68821; 722995

b)29932;   92951; 662361;   29832

27. Write in words :

a) 12, 46, 938 -   b) 8, 05, 647 -

28. Rewrite the numbers placing commas according to the Indian System.

a) 800491630 –   b) 21100563 –   c) 7169954   -

29. Find the Predecessor of

a)93, 25, 640 -   b)70, 00, 000 -

29. Find the Predecessor of

a) 93, 25, 640 -   b) 7169954   -

30. Find the successor of

a) 4, 07, 609   -

b)59,   000   -

30.Solve the following :

1. In a farm there are 82365 goats, 70 296 camels. Find the total animals in the farm.

2. A stadium can hold 1,00,000 people. On a particular day 85, 756 people were there. If 50,517 were men, how many were women?

3. 9800 pins are packed equally in boxes. If each box contains 70 pins , how many boxes are packed ?

4. Cost of refrigerator is Rs. 9,875. What is the cost of 19 such refrigerators?

5. A bus carries 38 people in 1 trip. How many trips it has to make to carry 8320 people?

6. An airline carried 82,730 people in January , 28, 975 people in February and 90, 075 in July. How many people did it carry in the three months altogether ?

7. Fida had Rs 67,395 in the bank. She spent Rs. 48, 209 from it. How much is left in the bank ?

8. If the sum of a number and 17, 925 is 40, 627. Find the number.

9. How many weeks do 3584 days make ?

10. If 53 apples are packed in a carton, how many apples are packed in 275 cartons?

Large Numbers

1)   <u>Fill in the blanks :</u>

1. Ones, thousands, lakhs and crores are the _____in the Indian System.

2. 416789   461789 (put > or < sign)

3. Place value [   ]5,687 is _____.

4. The numbers being added are called _____.

5. The ones period has _____places.

6. The answer we get on subtraction is called the _____.

7. The sum of _____and a number is the number itself.

8. All periods except the ones period in the Indian System have _____places.

9. The answer we get on addition of two or more numbers is called the _____of the numbers.

10. The number which comes after a number is called its _____.

11. The number which comes before a number is called its _____.

<u>Do as directed :</u>

1. Write in words :

   a)   16,   79,   899

   _____

   b)   8,   21,   360

   _____

 2. Write in figures :

   a. One crore twenty five lakhs six hundred and seven _____.

   b. Sixty four lakhs twenty six thousand nine hundred eighty seven. _____

 3. Write the place value of 6 in the following :

   a. 4, 56, 789

   b. 6, 00, 35, 492

4. Arrange in ascending order :

        483281 ;   48562 ;   438218 ;   43689

5. Arrange in descending order

        5,75,602 ;   9,57,206;   5,57,602;   9,75,206

6. Write in expanded form :

        a) 843936

        b)4082541

7. Write in Short form :

   a) 9, 00, 00 +70,000 +500 +20 +8 =

   b) 5, 00,00,000 +80, 000+2, 000+600+7 =

8.Write the predecessor of the following :

   a) 2, 03, 890 _____

   b) 46, 70, 100 _____

9.Write the successor of the following :

   a) 3, 09, 154 _____

   b) 7, 51, 37, 969 _____

10. Add the following :

a) 2 5 3 4 6 7 8

　　　7 5 6 4 1 0

　　　　8 9 3 5 2

_____

b)   4 1 5 6 4 0 7

　　　4 4 3 8 6 1 7

　　　　　7 2 0 4 8

_____

11. Subtract the following :

a)   5 6 7 0 9 8

　　　− 1 3 2 7 8 5

　_____

b)   5 3 2 5 7 0 0 5

　　　− 3 4 9 5 6 3 2 1

　_____

Metric Measures

I.   Fill in the blanks :

1.   _____ is the standard unit of length.

2.   We use _____ or _____ to measure smaller lengths.

3.   We use _____ of _____ to measure longer (or distance).

4.   1 cm = _____ mm.

5.   1 m = _____ cm.

6.   1 km = _____ m.

7. $\frac{1}{2}$ km = _____ m.

8.   _____ is the standard unit of mass.

9.   We use _____ to weigh heavier objects.

10.   We use _____ to weigh lighter objects.

11.   1 kg = _____ g.

12. $\frac{1}{2}$ kg = _____ g.

13.   750 g = _____ kg.

14.   250 g = _____ kg.

15.   _____ is the standard unit of capacity.

16.   We use _____ to measure larger quantities.

17.   We use _____ to measure smaller quantities.

18.   1 litre = _____ milliliters.

19.   500 ml = _____ l.

20.   250 ml = _____ l.

21. $\dfrac{3}{4}$ l = _____ ml.

22. 1 metre is divided into _____ equal parts, each part is represented 1 cm.

II   Do as direct :

1.   Convert as required :

    a.   7 cm to mm   b.   21 cm to mm

    c.   11 m to cm   d.   9 m to cm

    e.   23 km to m   f.   17 km to m

    g.   18 kg to g   h.   10 kg to g

    i.   12 l to ml   j.   6 l to ml

    k.   42 mm to cm and mm   l.   78 mm to cm and mm

    m.   805 cm to m and cm   n.   1280 cm to m and cm.

    o.   19075 m to km and m   p.   8882 m to km and m.

    q.   6750 g to kg and g   r.   28005 g to kg and g

    s.   4500 ml to l and ml   t.   12602 ml to l and ml

2.   Add.

    a.

m	cm
76	25
+ 8	48
=========	

    b.

m	cm
2	78
+ 5	23
===========	

    c.

km	m	cm
9	105	35
+ 12	780	40
===============		

    d.

km	m	cm
28	076	45
+ 45	605	90
===============		

e.	kg	g
	6	568
	7	985
+	10	020
	==========	

f.	kg.	g
	46	200
+	27	875
	==========	

g.	l	ml
	18	225
+	8	250
	=======	

h.	l	ml
	17	50
	8	275
+	0	780
	=======	

3.   Subtract :

a.	m	cm
	5	38
-	3	25
	======	

b	m	cm
	38	20
-	17	45
	======	

c.	km	m	cm
	47	200	30
-	35	450	75
	===========		

d.	km	m	cm
	26	480	75
-	15	385	50
	===========		

e.	kg	g
	65	510
-	25	718
	=======	

f.	kg	g
	37	125
-	18	675
	=======	

g.	l	ml
	23	875
-	18	650
	=======	

h.	l	ml
	31	250
-	27	425
	=======	

Multiples And Factors

I. <u>Fill in the blanks</u> :

1. The greatest factor of a number is _____.

2. _____ is a factor of every number.

3. The smallest factor of a number is _____.

4. The greatest factor of 12 is _____.

5. All the factors of a number is _____ than or _____ to the number.

6. 7 x 5 = 35, 7 and 5 are the _____ of 35.

7. _____ is the only number which has only 1 factor.

8. When a number divides exactly then the divisor is called _____ of the dividend.

9. When we divide a number by its factor, the remainder will be _____.

10. Every number (other than 1 has at least _____ factors.

11. 8 x 5 = 40, 8 and 5 are the factors of _____.

12. _____ is a factor of 1.

13. _____ are the numbers which when multiplied give the product.

14. The smallest natural number is _____.

15. The smallest whole number is _____.

16. The first off number is _____.

17. The first even number is _____.

18. The sum of two odd numbers is _____ number.

19. The sum of two even numbers is _____ number.

20. A number divisible by only 1 and the number itself is called a _____ number.

21. A number divisible by numbers other than 1 and the number itself is called _____ number.

22. A prime number has only two factors _____ and _____.

23. The smallest prime number is _____.

24. The smallest composite number is _____.

25. 2 is called _____ prime.

26. _____ is neither prime nor composite.

27. Every prime number except _____ is odd.

28. Every number is a multiple of _____ and _____.

29. Numbers which are not multiples of 2 are called _____ numbers.

30. All even numbers are multiples of _____.

31. The smallest multiple of a number is _____.

32. All the multiples of a number is _____ than or _____to a number.

33. 4 x 3 = 12, 12 is a _____ of 4 and 3 .

34. Every multiple of 2, other than 2, is a _____ number.

35. _____ is an odd composite number having 1 – digit.

36. Every prime number are having only _____ factors.

37. The fifth multiple of 7 is _____.

38. 5 is a _____ of 20.

39. 15 is a _____ of 5.

40. The third multiple of 12 is _____.

41. Twin prime numbers are those pair of prime numbers which is differ by _____.

II   Do the following :

1.   Find the factors of :

      a.   17   b.   32   c.   48   d.   45

2.   Write the first six multiples of :

a.   7   b.   12   c.   19   d.   21

3.   Write down all prime numbers:

a.   between 1 and 15   b.   between 20 and 40.

4.   Write down all even composite numbers.

a.   between 1 and 20   b.   between 30 and 50.

5.   Write down all odd composite numbers :

a.   between 10 and 25   b.   between 30 and 45.

6.   Write down the five pairs of twin prime numbers.

7.   Write down all odd numbers between 10   and 30.

8.   Write down all even numbers between   45 and   50.

9.   Find all greatest prime number which is less than

a.   30   b.   45   c.   50

10.   Find the least prime number which is just greater than

a.   4   b.   20   c.   35

11.   Write the multiples of 7 which are greater than 15 and less than 45.

12.   Write the multiples of 13 which are less than 50.

13.   Use the division method to find the prime factors of the following :

a.   36   b.   48   c.   42   D.   35

I) <u>Fill in the blanks :</u>

1. The _____ of a closed figure is given by the sum of the length of line segments enclosed it.

2. _____ numbers are a different way of writing fractions.

3. A _____ is a part of a whole.

4. Area of a rectangle is given by _____ x _____.

5. The decimal for twenty eight hundredths is _____.

6. If cost of a pen is Rs.9 , the cost of 8 pens is _____-.

7. 1 minute = _____ seconds.

8. Fractions which indicate the same value are called _____ fractions.

9. The whole number in 78.35 is _____.

10. Side x Side is the area of a _____.

11. We use a.m for the time after 12 - _____.

12. To reduce an equivalent fraction to its simplest form, divide the numerator and denominator by their _____

13. If cost 12 mangoes is Rs. 120, one mango costs Rs . _____

14. $\frac{4}{100}$ = _____[decimal number]

15. The perimeter of a square of side 4cm is _____ cm.

16. Half an hour is equal to _____ minutes.

17. _____ one fourths are there in a whole.

18. A point placed between ones place and one – tenths place is called the _____ point.

19. 2 x (length +breadth) is the perimeter of a _____.

20. The numeral for seven hundred point zero one is _____.

21. The hour hand makes _____ rounds in a day.

22. Fractions with numerator one are called _____ fractions.

23. The place value of a digit becomes _____ as the digit moves from left to right by one place.

24. The time between noon and midnight is called the _____ time.

25. The fraction for three – tenths is _____.

26. A fraction whose numerator is greater than the denominator is called an _____ fraction.

27. There are _____ divisions between two consecutive numbers in a clock.

28. The mixed numeral for 2.5 is _____

29. The amount of surface occupied by an object is called its _____.

30. $\frac{2}{7} = \frac{\square}{21}$

31. 0300 hours is _____a.m.

32. 25.007 is read as

_____33.

Perimeter of an equilateral triangle is equal to

_____

34. $\frac{4}{7}, \frac{3}{7}, \frac{5}{7}, \frac{9}{7}$ are _____ fractions.

35. P.M stands for _____.

36. $26.15 = \frac{2615}{\boxed{}}$

37. A fraction is said to be its lowest terms if the H.C.F of its numerator and denominator is _____

38. Perimeter of a square having side equal to 1cm is _____.

39. Fractions having same denominator are called _____ fractions.

40. 2 days = _____ hrs.

41. Perimeter of a quadrilateral is given by the _____ of all its sides.

42. Fractions having a whole number and a fraction are called _____ fractions.

43. $\frac{3}{4}, \frac{6}{8}, \frac{9}{12}$ and $\frac{12}{6}$ are _____ fractions.

44. Area of a square of side 2cm is _____ sq.cm

45. $\frac{14}{25}$ is a _____ fraction.

46. In the 24 hr clock, the time at midnight is written as _____ hrs.

47. In a proper fraction, the numerator is _____ than the denominator.

48. The time between midnight and noon is called _____.

49. $\frac{1}{2}, \frac{1}{4}, \frac{1}{13}$ and $\frac{1}{7}$ are all _____ fractions.

50. There are _____ days in year.

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

1. Change into hour and minutes :

a) 445 minutes.   b) 800 minutes.   c)95minutes

2. Find the area of the following :

a) Rectangle of length = 12m ; breadth = 4m

3. Write the next four equivalent fractions :

a) $\frac{32}{64}, \frac{16}{32},$ _____, _____, _____, _____

b) $\frac{1}{3}, \frac{2}{6}$, —————, —————————, —————————, —————————

4. Write the following decimals as mixed fractions :

   a) 9.03   b) 7.008   c)85.001   d)1.195

5. Convert the time to 12-hour clock time.

   a) 1247 hrs   b) 0000hrs   c) 1935hrs   d)2103hrs

6. Find the perimeter of the following :

   a) Triangle of sides 6cm, 4cm and 7cm.

   b) Rectangle of length 8cm and breadth 5cm

   c) Square of side 19cm

7. Reduce the following fractions into its lowest forms :

   a) $\frac{5}{15}$ b)$\frac{39}{65}$ c)$\frac{48}{72}$ d)$\frac{17}{51}$

8. Write the following as decimal

   a) $\frac{19}{100}$ b)$1\frac{975}{1000}$ c)$\frac{10954}{1000}$ d) $3\frac{17}{100}$ e)$\frac{55}{10}$

9. Complete the series :

   a) $\frac{3}{11} = \frac{9}{\square} = \frac{\square}{44} = \frac{\square}{99}$

   b) $\frac{2}{5} = \frac{\square}{10} = \frac{6}{\square} = \frac{16}{\square}$

10. Convert the following into 24 hours clock :

   a) 6: 35 pm   b) 9'o clock in the night.

   c) 10:15am   d) Half past 4 in the morning.

11. Are the following fractions equivalent :-

   a) $\frac{4}{11}$ and $\frac{12}{44}$

   b)$\frac{2}{7}$ and $\frac{14}{49}$

   c) $\frac{2}{5}$ and $\frac{12}{30}$

12. Change into minutes.

   a)6hrs 45minutes.   b) 15hrs   c) 8hrs 52

13. Find an equivalent fraction of having $\frac{4}{5}$ having

      a) numerator 32   b) denominator 50

      c) numerator 28   d) denominator 60

14. Write the following in words :

      a) 0.59

      b) 0.003

      c) 403. 304

      d) 230.5

15. Solve the following :
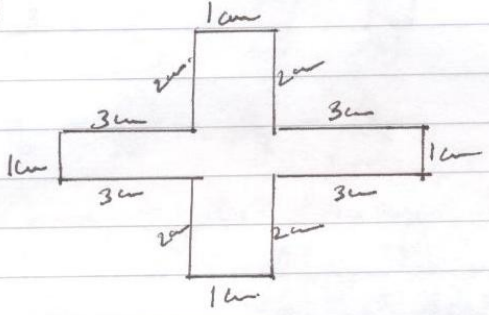
  a) $\frac{15}{25} + \frac{7}{25}$
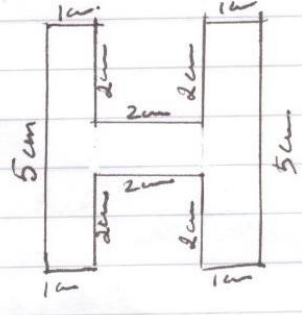
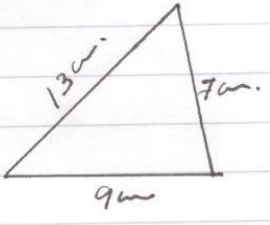 b) $\frac{49}{35} - \frac{17}{35}$
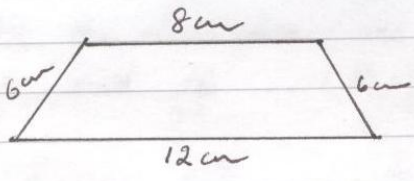
  c) $\frac{63}{75} - \frac{29}{75}$

  d) $\frac{31}{45} + \frac{28}{45}$
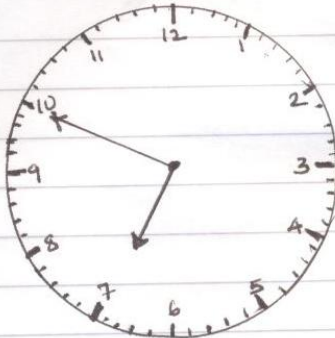
16. Find the perimeter of the following figures :

(a)

(b)
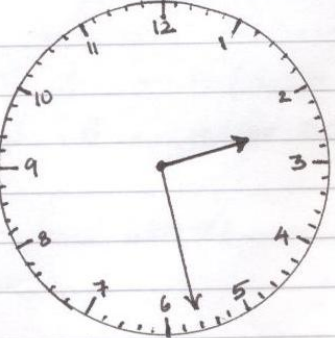
(c)

(d)

17. Write the time in numerals and as ` ___ past ___ '.

___ past ___   ___ past ___   ___ past ___

18. Change into seconds :

a) 15 min 35 sec.

b) 6 hrs

c) 47 minutes

19. Express as improper fraction :

a) $4 \frac{1}{2}$ b) $10 \frac{1}{3}$ c) $12 \frac{2}{7}$ d) $8 \frac{3}{9}$

20. Write as morning time :

a) Quarter past one

b) Ten past three

c) Forty past eleven

21. Express as mixed fraction :

a) $\dfrac{46}{3}$ b) $\dfrac{9}{3}$ c) $\dfrac{36}{7}$ d) $\dfrac{89}{7}$

22. Write as afternoon and evening time :

a) Twenty five past one

b) Ten minutes past four

c) Four forty five.

23. Find the value of

a) 6 times $\dfrac{1}{3}$ b) 8 times $\dfrac{1}{24}$ c) $\dfrac{1}{2}$ of $\dfrac{2}{9}$ d) 3 times $\dfrac{1}{15}$ e) 7 times $\dfrac{2}{21}$ f) $\dfrac{3}{6}$ of $\dfrac{9}{15}$

24. Write as a fraction :

a) 4.603   b) 3.7   c)0.009

d)203.005   e 38.8   f) 0.75

25. Which are the following are improper fractions :

a) $\dfrac{3}{4}$ b) $\dfrac{5}{4}$ c) $7\dfrac{3}{5}$ d) $\dfrac{25}{75}$ e) $\dfrac{19}{7}$

26. Find the product :

a) $\dfrac{12}{7}$ x 14   b) $\dfrac{6}{15}$ x 0   c) $\dfrac{5}{9}$ x 27   d) 13 x $\dfrac{2}{5}$ e) $9 \times \dfrac{4}{7}$

27. Word Problems :

  1. The weight of 14 cartoons is 2100kg. What is the weight of 1 cartoon.
  2. Our bus carries 70 students. How many students can be carried by a dozen buses.
  3. A factory stitches 240 shirts in a week. How many shirts does it stitch in one day ?
  4. A water tank can hold 360 litres of water . What is the capacity of 8 such water tanks ?
  5. A car goes 350km in 5hrs. How far does it go in 1 hour ?
  6. A box contains 75 toffees. How many toffees are there in 15 boxes?
  7. The cost of 6 liters petrol is Rs 246. What is the cost of I litre petrol ?
  8. One truck can carry 1650 bags of cement . How many bags can 5 trucks carry ?

Multiples And Factors

I. <u>Fill in the blanks</u> :

1. The _____ factor of a number is the number itself.

2. _____ is a factor of every number.

3. The smallest factor of a number is _____.

4. The greatest factor of 15 is _____.

5. All the factors of a number are _____ than or _____to the number.

6. 12 X 8 = 96, 96 is the _____ of 12 and 8.

7. _____ is the only number which has only 1 factor.

8. When a number divides exactly then the divisor is called a _____of the dividend.

9. When we divide a number by its factors, the remainder will be _____.

10. Every number (other than 1) has at least _____ factors.

11. 9 X 7 = 63, 9 and 7 are the factors of _____.

12. ___ is a factor of 1.

13. _____ are the numbers which when multiplied give the product.

14. The smallest natural number is _____.

15. The smallest whole number is _____.

16. The first odd number is _____.

17. The first even number is _____.

18. The sum of two odd numbers is an _____number.

19. The sum of two even numbers is an _____ number.

20. A number divisible by only 1 and the number itself is called a _____ number.

21. A number divisible by numbers other than 1 and the number itself is called a _____ number.

22. A prime number has only two factors _____ and _____.

23. The smallest prime number is _____.

24. The smallest composite number is _____.

25. _____ is the only even prime number.

26. _____ is neither prime nor composite.

27. Every prime number except _____ is odd.

28. Every number is a multiple of _____ and _____.

29. Numbers which are not multiples of _____ are called odd numbers.

30. All even numbers are multiples of _____.

31. The smallest _____ of a number is the number itself.

32. All the multiples of a number are _____ than or _____ to the number.

33. 4 , 8, 12, 16,and 20 are the first five _____ of 4.

34. Every multiple of 2, other than 2, is a _____ number.

35. _____ is an odd composite number having 1 – digit.

36. Every _____ number has only two factors.

37. The fifth multiple of 8 is _____.

38. 6 is a _____ of 24.

39. 50 is a _____ of 5.

40. The third multiple of 9 is _____.

41. Twin prime numbers are those pair of prime numbers which differ by _____.

II   Do the following :

1.   Find the factors of :

   a.   25   b.   31   c.   36   d.   48

2.   Write the first six multiples of :

    a.   9   b.   7   c.   12   d.   15

3.   Write down all prime numbers:

    a.   between 10 and 26   b.   between 20 and 50.

4.   Write down all even composite numbers.

    a.   between 11 and 30   b.   between 31 and 50.

5.   Write down all odd composite numbers :

    a.   between 15 and 29   b.   between 30 and 45.

6.   Write down the five pairs of twin prime numbers.

7.   Write down all odd numbers between 12   and 40.

8.   Write down all even numbers between 35 and 50.

9.   Write the greatest prime number which is less than

    a.   20   b.   38   c.   50

10.   Write the least prime number which is just greater than

    a.   6   b.   25   c.   39

11.   Write the multiples of 7 which are greater than 15 and less than 45.

12.   Write the multiples of 11 which are less than 50.

13.   Use the division method to find the prime factors of the following :

    a.   35   b.   48   c.   46   D.   24

Fill in the blanks:-

1. The place value of a digit becomes_____ when the digit moves from left to right.

2. Two fractions can be _____ in any order, the sum will remains the same.

3. The time between noon and midnight is called_____.

4. A _____ is a fraction whose denominator is 10 or power of 10(100 or 1000)

5. The fractions which have 1 as numerator are called _____ fractions

6. To convert minutes to hours, we _____ the minutes by 60.

7. The cost of 7 erasers is   ₹ ∍n I eraser costs ₹ _____.

8. $\frac{3}{4}, \frac{4}{7}, \frac{2}{9}$ are _____ fractions.

9. _____ numbers are a different way of writing fractions.

10. There are _____ hours in 2 days.

11.   If cost of one pen is ₹ 12, then cost of 6 pens is _____.

12. $\frac{3}{5} + \frac{4}{7} = ___ + \frac{3}{5}$

13. 0000 hours means _____ and 1200 hrs means_____.

14. $\frac{7}{10}$ =_____(Decimal Number)

15. A fraction whose numerator is greater than the denominator is called an _____ fraction.

16. 8 p.m refers to 8 o' clock in the _____.

17. $\frac{7}{28} = \frac{1}{\Box}$

18. $4.01 = \frac{401}{\underline{}}$

19. 7 min =_____seconds

20. Fractions having same _____ are like fractions

21. The numeral for seventeen point three five is_____

22. Fill in the box with = 0r ≠

(a) $\frac{4}{5}$ $\Box$ $\frac{6}{10}$ (b) $\frac{18}{26}$ $\Box$ $\frac{9}{13}$ (c) $\frac{8}{12}$ $\Box$ $\frac{16}{20}$

23. There are _____ seconds in 1 hour.

24. If three apples cost ₹ 36, one apple costs ₹ _____.

25. The time between midnight to noon is called _____.

26. A point placed between mid-night to noon is called_____.

27. A point placed between the ones place and one tenths place is called the _____ point.

28. $\dfrac{4}{17} - $ ____ $= \dfrac{4}{17}$

29. Price of 1 article = Price of the given number of article ÷ _____

30. In the 24 hour clock, the number formed by the first two digits gives the _____(hours/minutes)

31. The place value of a digit becomes _____times, as it moves from right to lift by one place.

32. $\dfrac{1}{4}$ of 8 is _____.

33. 11:45 a.m=_____ hrs.

34. There are _____ one-fourths in a whole.

35. 4.5 is four and five_____.

36. There are _____ marks on the face of the clock.

37. $7\dfrac{2}{5} = \dfrac{\square}{5}$

38. Half an hour is equal to _____ minutes.

39. Price of a number of articles=Price of _____ article ✕ number of articles.

40. A _____ is a part of a whole.

CHOOSE THE CORRECT ANSWER

1 .0300 Hours is

   (a)3 o' clock   (b) 3:00 a.m   (c)) 3:00 p.m

2. There are _____ thirds in a whole.

   (a)   3   (b) $\dfrac{1}{3}$ (c) 30

3. A dozen mangoes cost ₹ 120 , then 1 mango costs_____

   (a) ₹ 12   (b) ₹ 1440   (c)) ₹ 10

4. The numeral for sixteen tenths is

   (a)1.6   (b) 0.16   (c)) 16.10

5. The equivalent fraction for $\dfrac{7}{14}$ is

    (a)$\dfrac{14}{7}$ (b)$\dfrac{1}{2}$ (c))$\dfrac{2}{28}$

6. 1 hour after mid night is

    (a)1:00 p.m   (b) 1:00 a.m   (c)) 13:00 a.m

7. $\dfrac{3}{7}, \dfrac{6}{5}, \dfrac{11}{13}, \dfrac{5}{9}$ are a set of

    (a)Like fractions   (b) Proper fractions   (c)) unlike fractions

8. 12.05 is read as

      (a) Twelve and five hundredths

      (b) Twelve and five tenths

      (c) Twelve point five

9. If cost of 1 book is ₹ 14, the cost of 7 books is

    (a) ₹ 91   (b) ₹ 98   (c)) ₹ 2

10. The _____ hand makes one full rotation of the clock in 60 seconds.

    (a)hour   (b) minute   (c)) second

11. The place that comes to the right of the ones place is

    (a)tenths   (b) tens   (c)) hundreds

12. $\dfrac{13}{15} \square \dfrac{6}{7}$ a) >   b) <   c) =

13. 12345 hours is the same as

    (a)12.35 hrs   (b)00:35 hrs   (c)) 12.35p.m

14. In a _____ fraction the numerator is greater than the denominator.

    (a)Proper   (b)Improper   (c)) unit

15. Quarter past eight in the night is

   (a)7:45 p.m   (b)8:15 p.m   (c)) 8.45 p.m

16. The integral part in $14\frac{3}{7}$ is

   (a)14   (b) 3   (c) $\frac{3}{7}$

17. 1:55 p.m is _____ hrs in the 24 hour clock.

   (a)0155 hrs   (b) 1355 hrs   (c) 1550 hrs

18. $\frac{51}{100}$ is written in decimals as

   (a)0.051   (b) 0.51   (c) 0.0051

19. The simplest form of $\frac{32}{64}$ is

   (a) $\frac{4}{8}$ (b) $\frac{1}{2}$ (c) $\frac{16}{32}$

20. 3 hours = _____ seconds.

   (a)1800   (b)180   (c)) 10800

21. The mixed fraction for $\frac{41}{7}$ is

   (a)$5\frac{6}{7}$ (b) $6\frac{5}{7}$ (c) $7\frac{5}{6}$

22. The mixed fraction for 12.305 is

   (b) $12\frac{35}{100}$ (b) $12\frac{305}{100}$ (c)) $12\frac{305}{1000}$

23. Half past six in the morning is written in the 24 hr clock is.

   (b) 6.30 hrs   (b)0630 hrs   (c)) 6.30 a.m

24. 6 time $\frac{1}{2}$ is

   (a) 2   (b) 4   (c) 3

25. When price of one is known we _____ to find for many.

   (a) multiply   (b) divide   (c) subtract

26. Fractions which indicate the same value are said to be _____

   (a) like   (b) Unlike   (c) Equivalent

27. Fractions having different denominators are _____ fractions.

  (a) Improper (b) Like   (c) Unlike

III) Do the following :

1. Change the fractions into decimals :

   a) $\dfrac{1502}{100}$

   b) $\dfrac{17}{1000}$

   c) $\dfrac{3}{10}$

2. Change into seconds :

   a) 8 hrs

   b) 5 hrs

   c) 13 hrs

3. Write the next four equivalent fractions :

   a) $\dfrac{1}{8} = \dfrac{2}{10}$ = _____ = _____ = _____ = _____

   b) $\dfrac{32}{64} = \dfrac{16}{32}$ = _____ = _____ = _____ = _____

   c) $\dfrac{2}{3} = \dfrac{4}{6}$ = _____ = _____ = _____ = _____

   d) $\dfrac{36}{60}$ = _____ = _____ = _____ = _____

4. Change into minutes and seconds :

   a) 470 sec

   b) 195 sec

   c) 300sec

   d) 572sec

5. Write the numeral representing each of the following :

   a) Point three four nine –

   b) One hundred two point zero nine eight

   c) Seven thousandths

   d) Zero point zero four six

   e) Twenty seven point three zero two

   f) Fifteen hundredths

6. Find an equivalent fraction of $\dfrac{3}{5}$ having

   a. numerator 12

   b. denominator 35

   c. numerator 30

   d. denominator 45

7. Convert the time to the 12 hour clock time

   a. 0615 hours –

   b. 1305 hours –

   c. 2335 hours –

   d. 0012 hours –

   e. 1200 hours –

8. Write the following as common fractions:-

   a. 2.13

   b. 10.05

   c. 9.001

   d. 0.007

   e. 0.125

9. Find the sum :-

a. $\dfrac{4}{7} + \dfrac{11}{7} =$

b. $\dfrac{16}{25} + \dfrac{9}{25} =$

c. $\dfrac{12}{15} + \dfrac{8}{15} + \dfrac{2}{15} =$

d. $\dfrac{5}{18} + \dfrac{6}{18} + \dfrac{3}{18} =$

e. $\dfrac{9}{10} + \dfrac{15}{10} =$

f. $\dfrac{17}{31} + \dfrac{16}{31} =$

10. Express as improper fraction

a. $9\dfrac{4}{7} =$

b. $12\dfrac{2}{5} =$

c. $10\dfrac{6}{13} =$

d. $8\dfrac{5}{9} =$

11.Change into minutes:-

a. 12 hrs

b. 8 hrs 30 min

c. 11hrs 5 min

d. 22 hrs

12. Write the following as mixed numerals.

a. 17.89   b. 4.003

c. 25.7   d. 1.01

e. 65.019   f.2.57

13. Change into hours and minutes:

   a. 470min=

   b. 96min=

   c.147min=

   d.800min=

   e.222min=

14. Change into seconds:

       a.   5 min 14 sec=

       b. 12 min 19 sec =

       c. 20 min=

       d. 15 min 7 sec=

       e. 8 min 8 sec =

       f. 24 min =

       g. 16 min =

       h. 9 min=

       i. 14 min 5 sec =

       j. 30 min=

15. Find the difference

a. $\dfrac{27}{18} - \dfrac{13}{18} =$
     b. $\dfrac{59}{60} - \dfrac{19}{60} =$...........c. $\dfrac{34}{55} - \dfrac{16}{55}$
     d. $\dfrac{9}{17} - \dfrac{3}{17} =$

16. Find the product:

a. $\dfrac{4}{5}$ X 15 =   b. 16 X $\dfrac{3}{4}$ =

c. $\dfrac{15}{16}$ X 32 =   d. $\dfrac{1}{5}$ X $\dfrac{3}{7}$ =

e. $\dfrac{7}{34}$ X 17 =   f. 8 X $\dfrac{3}{4}$ =

g. $\dfrac{7}{10}$ X $\dfrac{3}{7}$ =   h. $\dfrac{6}{9}$ X $\dfrac{3}{2}$ =

i. 100 X $\dfrac{7}{10}$ =   j. $\dfrac{5}{6}$ X $\dfrac{5}{6}$ =

17. Convert the time to the 24 hour clock.

a. 12:07 a.m =

b. 9:15 p.m =

c. 11:11 a.m=

d. 12:01 p.m=

e. 1:59 p.m=

f. 3:45 a.m=

g. 6:12p.m=

18. Reduce each fraction to its lowest form.

a. $\dfrac{36}{96} =$

d. $\dfrac{39}{42} =$

b. $\dfrac{45}{75} =$

e. $\dfrac{9}{63} =$

c. $\dfrac{88}{96} =$

f. $\dfrac{13}{65} =$

19. Write as morning times:

   a. Three quarters past eleven –

   b. Seven thirty –

   c. Twenty five past one –

   d. Quarter past 3 –

   e. Half past twelve –

20. Write as evening times:

   a. Four minutes past five-

   b. Quarter past twelve –

   c. Half past eight –

21. Find the value of :-

a. $\dfrac{5}{6}$ of 24   =

b. $\dfrac{2}{3}$ of 8 =

c. $\dfrac{1}{2}$ of $\dfrac{3}{10}$ =

d. 5 times $\dfrac{3}{5}$

e. $\dfrac{3}{4}$ of 8

f. 4 times $\dfrac{9}{12}$

22. Are the two fractions equivalent? Cross multiply & find.

a. $\dfrac{6}{7}$ and $\dfrac{18}{21}$

b. $\dfrac{12}{13}$ and $\dfrac{6}{7}$

c. $\dfrac{4}{6}$ and $\dfrac{2}{3}$

d. $\dfrac{7}{12}$ and $\dfrac{8}{13}$

23. Put ' >' or '<' sign

a. $\dfrac{11}{12}$ _____ $\dfrac{7}{12}$

b. $\dfrac{9}{15}$ _____ $\dfrac{9}{17}$

c. $\dfrac{8}{10}$ _____ $\dfrac{4}{15}$

d. $\dfrac{6}{7}$ _____ $\dfrac{2}{3}$

<u>Do the following</u>

1. A car can travel 16 km with 1 l petrol. How far can it go on 26 l of petrol?

2. The cost of a kilogram of tomatoes is Rs.14. What is the cost of 15kg of tomatoes?

3. Ravi can type 123 pages in 3 days. How many pages can be type in 1 day.

4. The weight of a book is 160 gm. What will be the weight of one dozen books.

5. The annual salary of a man is SR 75600. Find his monthly salary.

6. 15 apples weigh 2250 g. What will be the weight of one apple.

7. A plane travels 705 km in 1 hour. What distance will it travel in 13 hours.

8. The cost of one biscuit packet is Rs 18 . Find the cost of a dozen such packets.

9. 9 Suits can be made from 27m of cloth. Find the cloth required for 1 suit.

Fractions

I) Fill in the blanks :

1. Part of a whole is called a _____

2. The number above the bar is called _____

3. The number below the bar is called _____

4. The number $\frac{2}{5}$ is read as _____

5. Factors having same denominator are called _____

6. If two fractions have the _____ denominators then the fraction with greater numerator is greater fraction.
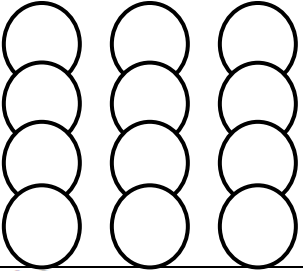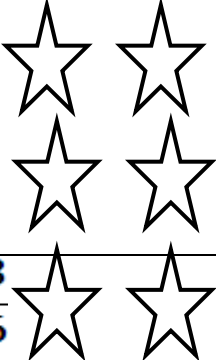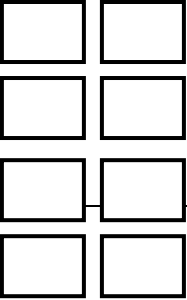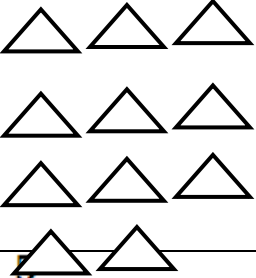
7. Sum of fractions having same denominator is $\dfrac{\boxed{}}{denominator}$
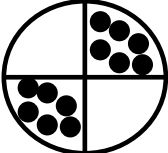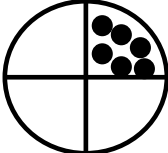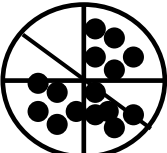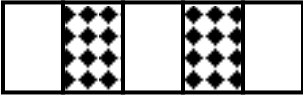
8. Difference between two fractions having same denominator is $\dfrac{\boxed{}}{denominator}$
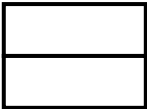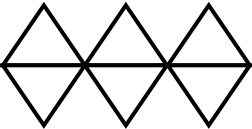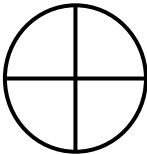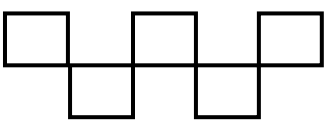
Colour the fraction as indicated:

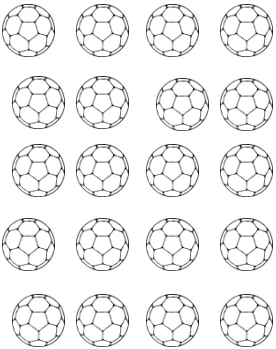|			
$\dfrac{16}{12}$	$\dfrac{3}{6}$	$\dfrac{7}{8}$	$\dfrac{}{11}$
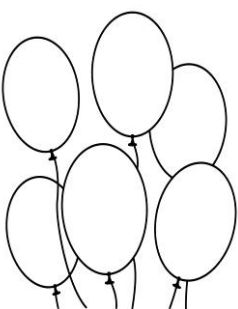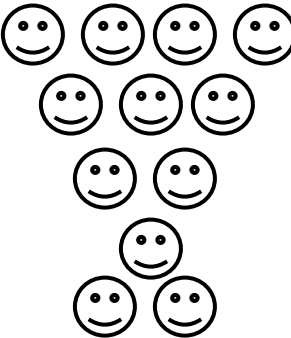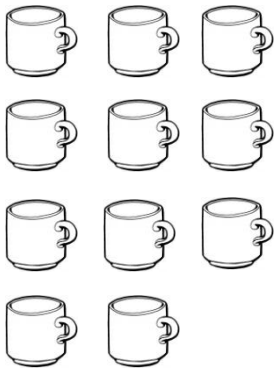
Give the fractions for the shaded part of each :

Shade the portion indicated in each figure

$\dfrac{6}{8}$	$\dfrac{2}{6}$	$\dfrac{3}{4}$	$\dfrac{1}{2}$
$\dfrac{7}{10}$	$\dfrac{4}{6}$	$\dfrac{1}{4}$	$\dfrac{3}{5}$

Shade the correct fraction of each collection :

$\dfrac{16}{20}$	$\dfrac{4}{6}$	$\dfrac{5}{12}$	$\dfrac{7}{11}$

Fill in the blanks :

a) $\dfrac{7}{9}$ $\dfrac{Numerator}{Denominator}$ = $\begin{array}{c}\square\\\square\end{array}$

b) $\dfrac{5}{10}$ $\dfrac{Numerator}{Denominator}$ = $\begin{array}{c}\square\\\square\end{array}$

c) $\dfrac{1}{6}$ $\dfrac{Numerator}{Denominator}$ = $\begin{array}{c}\square\\\square\end{array}$

d) $\dfrac{4}{7}$ $\dfrac{Numerator}{Denominator}$ = $\begin{array}{c}\square\\\square\end{array}$

Write the factors whose :

a) Numerator 6   Denominator 8

b) Numerator 4   Denominator 7

c) Numerator 5   Denominator 9

d) Numerator 11   Denominator 15

Write in words :

a) $\dfrac{1}{8}$ =

b) $\dfrac{5}{7}$ =

c) $\dfrac{4}{5}$ =

d) $\dfrac{1}{2}$ =

Write the fractions in figures :

a) Two – sevenths =

b) One – half =

c) Four – twelfth =

d) Five – fifteenth =

e) Three – ninth =

Put the correct sign (< , > or =) in each :

a) $\dfrac{4}{7}$ ☐ $\dfrac{3}{7}$

b) $\dfrac{6}{8}$ ☐ $\dfrac{5}{8}$

c) $\dfrac{1}{2}$ ☐ $\dfrac{3}{2}$

d) $\dfrac{3}{14}$ ☐ $\dfrac{9}{4}$

e) $\dfrac{7}{12}$ ☐ $\dfrac{10}{12}$

f) $\dfrac{2}{3}$ ☐

Arrange in ascending order :

a) $\dfrac{7}{11} , \dfrac{5}{11} , \dfrac{9}{11} , \dfrac{4}{11}$

_____

b) $\dfrac{3}{8} , \dfrac{7}{8} , \dfrac{6}{8} , \dfrac{5}{8}$

_____

c) $\dfrac{12}{19} , \dfrac{16}{19} , \dfrac{10}{19} , \dfrac{9}{19}$

_____

Arrange in descending order :

a) $\dfrac{8}{11} , \dfrac{5}{11} , \dfrac{9}{11} , \dfrac{7}{11}$

_____

b) $\dfrac{5}{13} , \dfrac{8}{13} , \dfrac{9}{13} , \dfrac{12}{13}$

_____

c) $\dfrac{14}{25} , \dfrac{16}{25} , \dfrac{19}{25} , \dfrac{24}{25}$

_____

Add the following :

a) $\dfrac{5}{7} + \dfrac{1}{7} =$ _____

b) $\dfrac{9}{15} + \dfrac{2}{15} =$ _____

c) $\dfrac{4}{20} + \dfrac{13}{20} =$ _____

d) $\dfrac{10}{17} + \dfrac{2}{17} + \dfrac{1}{17} =$ _____

e) $\dfrac{2}{15} + \dfrac{7}{15} + \dfrac{5}{15} =$ _____

f) $\dfrac{3}{14} + \dfrac{8}{14} + \dfrac{2}{14} =$ _____

g) $\dfrac{5}{8} + \dfrac{3}{8} =$ _____

Subtract the following :

a) $\dfrac{9}{23} - \dfrac{7}{23} =$ _____

b) $\dfrac{11}{15} - \dfrac{9}{15} =$ _____

c) $\dfrac{12}{13} - \dfrac{5}{13} =$ _____

d) $\dfrac{8}{12} - \dfrac{4}{12} =$ _____

e) $\dfrac{7}{17} - \dfrac{3}{17} =$ _____

f) $\dfrac{19}{25} - \dfrac{4}{25} =$ _____