1. Place commas correctly and write the numerals:
(a) Seventy three lakh seventy five thousand three hundred seven.
(b) Nine crore five lakh forty one.

2. Insert commas suitably and write the names according to Indian System and international system of   Numeration :
(a) 87595762 (b) 8546283 (c) 99900046

3. The town newspaper is published every day. One copy has 12 pages. Everyday 11,980 copies are printed. How many total pages are printed everyday?

4. A vessel has 4 litres and 500 ml of curd. In how many glasses, each of 25 ml capacity, can it be filled?

5. Estimate:a) 5,290 + 17,986. (b) 5281×3491 (c) 1291×592

6. Write in Roman Numerals (a) 69 (b) 98.

7. The school canteen charges ` 20 for lunch and ` 4 for milk for
each day. How much money do you spend in 5 days on these things?

8. Simplify: $126 \times 55 + 126 \times 45$

9. A vendor supplies 32 litres of milk to a hotel in the morning and 68 litres of milk in the evening. If the milk costs Rs 15 per litre, how much money is due to the vendor per day?

10. Find using distributive property :
(a) 728×101 (b) 5437×1001

11. Write all the factors of the following numbers :
(a) 24   (b) 15   (c) 21

12. Write first five multiples of :
(a) 5   (b) 8   (c) 9

13. Express the following as the sum of two odd primes.
(a) 44   (b) 36   (c) 24   (d) 18

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14. Using divisibility tests, determine which of the following numbers are divisible by 4; by 8: by3:by2:by 11
     (a) 572 (b) 726352 (c) 5500 (d) 6000 (e) 12159 (f) 901153

15. Find the common factors of 75, 60 and 210.

16. Write all the numbers less than 100 which are common multiples of 3 and 4.

17. The product of three consecutive numbers is always divisible by 6. Verify this statement   with the help of some examples.

18. Write the greatest 4-digit number and express it in terms of its prime factors.

19. What is the HCF of two consecutive
(a) numbers? (b) even numbers? (c) odd numbers?

20. Find the HCF and LCM of the following numbers :
(a) 18, 48 (b) 30, 42 (c) 18, 60   (d) 27, 63 (e) 36, 84 (f) 34, 102 (g) 70, 105, 175

21. a)Determine the smallest 3-digit number which is exactly divisible by 6, 8 ,12.
b) Determine the greatest 3-digit number exactly divisible by 8, 10 and 12.

22. Draw a rough sketch of a triangle ABC. Mark a point P in its interior and a point Q in its exterior. Is the point A in its exterior or in its interior?

23. Draw a rough sketch of a quadrilateral KLMN. State,
(a) two pairs of opposite sides,
(b) two pairs of opposite angles,
(c) two pairs of adjacent sides,
(d) two pairs of adjacent angles.

24. Draw any circle and mark
(a) its centre (b) a radius
(c) a diameter (d) a sector
(e) a segment (f) a point in its interior
(g) a point in its exterior (h) an arc

25. What fraction of a clockwise revolution does the hour hand of a clock turn through, when it goes from
     (a) 3 to 9   (b) 4 to 7   (c) 7 to 10

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26. What is the measure of (i) a right angle? (ii) a straight angle?

27. Name the types of following triangles :
(a) Triangle with lengths of sides 7 cm, 8 cm and 9 cm.
(b) $\triangle ABC$ with AB = 8.7 cm, AC = 7 cm and BC = 6 cm.
c) $\triangle LMN$ with m <L = 30°, m <M = 70° and m< N= 80°.

28. Draw a rough sketch of a regular hexagon. Connecting any three of its vertices,draw a triangle. Identify the type of the triangle you have drawn.

29. Write opposites of the following :
(a) Increase in weight (b) 30 km north (c) 326 BC

30. (a) Write four negative integers greater than – 20.
(b) Write four negative integers less than – 10.

31. Find the sum of a)(– 9) + (+ 4) + (– 6) + (+ 3)   b) – 312, 39 and 192

32. Find
(a) 35 – (20)   (b) 72 – (90)   (c) (– 7) + (– 8) + (– 90)   d) 50 – (– 40) – (– 2)

33. Write the following decimals in the place value table.
(a) 19.4   (b) 0.3   (c) 10.6   (d) 205.9

34. Write each of the following as decimals :
(a) 30 + 6 + 2/10   (b) 600 + 2 +8/10

35. Between which two numbers in tenths place on the number line does each of the given number lie?
(a) 0.06   (b) 0.45   (c) 0.19

36. Express as rupees using decimals.
(a) 5 paise (b) 75 paise c) 2 m 45 cm (d) 70 km 5 m (e) 26 kg 50 g

37. Lata spent ` 9.50 for buying a pen and ` 2.50 for one pencil. How much money did she spend?

38. Ravi purchased 5 kg 400 g rice, 2 kg 20 g sugar and 10 kg 850g flour. Find the total   weight of his purchases.

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39. Aakash bought vegetables weighing 10 kg. Out of this, 3 kg 500 g is onions, 2 kg 75 g   is tomatoes and the rest is potatoes. What is the weight of the potatoes?

40. Rani had ` 18.50. She bought one ice-cream for ` 11.75. How much money does she
have now?

41. Kanchan dyes dresses. She had to dye 30 dresses. She has so far finished 20
dresses. What fraction of dresses has she finished?

42. Find the equivalent fraction of 2/5 with numerator 6.

43. Rafiq exercised for 3/6 of an hour, while Rohit exercised for ¾ of an hour.
Who exercised for a longer time?

44.solve   a)2/7+2/7   b) 3 – 12/5
45. A piece of wire 7/8 metre long broke into two pieces. One piece was ¼
Metre long. How long is the other piece?

Sample Paper - 2017
Subject - Math
Class – VI SA1

Time: 3hrs   **M.M. 80**
SECTION-A

1. (a) XCVIII is :
(i) 98
(ii) 78
(iii) 108
(iv) 99
(b) How many million makes one crore:
(i) 100
(ii) 10
(iii) 1
(iv) 1000
(c) The predecessor of 9999 :
(i) 1000
(ii) 1001

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(iii) 9998

(iv) 10000

(d) Additive identity for whole number is :

(i) 1

(ii) -1

(iii) 2

(iv) 0

(e) An angle whose measure is greater than that of right angle is :

(i) Acute angle

(ii) Obtuse angle

(iii) Straight angle

(iv) None

(f) A collection of numbers gathered to give some information is called :

(i) Information

(ii) Data
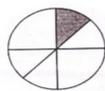
(iii) Raw data

(iv) Table

(g) (-75) + (25) is :

(i) 50

(ii) 100

(iii) -50

(iv) -100

(h) The fraction of shaded portion of fig. given:

i)   1/3   ii)1/5   iii)   1/6   iv)   1/4

SECTION-B

2. Find product using suitable property 854 x 102

3. Find common factors of 15 and 25.

4. Estimate to nearest hundred (613+120)

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5. What fraction of a day is 3 hours ?

6. Represent (-5) on number line.

7. Draw one open curve and one closed curve diagram.

SECTION -C

8. Use the figure to name:
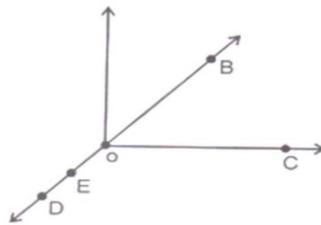
(a) Five points
(b) A line
(c) Four rays

9. A machine on an average, manufactures 2,825 screws a day. How many screws   did it produce in the month of January ?

10. Find the value of (297 x 17)+ (297 x3)

11. Find the LCM pf 20, 25 and 30.

12. Use number line and add : $(-5) + 10$.

13. Which is greater   4/5   *or*   5/6

14. Solve : 1 1/3 + 3 2/3

15. Draw a rough sketch of a regular hexagon. Connecting any three of its vertices, draw   a triangle. Identify the type of the triangle you have drawn.

SECTION-D

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16. Rafiq exercised for 3/6 of an hour, while Rohit exercised for ¾ of an hour. Who   exercised for a longer time?

17. Match the following :

Measures of Triangle Type of Triangle

(i) 3 Sides of equal length   (a) Scalene
(ii) 2 sides of equal length   (b) Isosceles right angled
(iii) All sides are different   (c) Obtuse angled
(iv) 3 acute angles   (d) Right angled
(v) 1 right angle   (e) Equilateral
(vi) 1 obtuse angle   (f) Acute angled
(vii) 1 right angle with two sides of   (g) Isosceles
equal length

18. Determine the greatest 3-digit number exactly divisible by 8, 10,12.

19. Rani had ` 18.50. She bought one ice-cream for ` 11.75. How much money does she have now?

20. Draw any circle and mark
(a) its centre (b) a radius
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(e) a segment (f) a point in its interior
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