

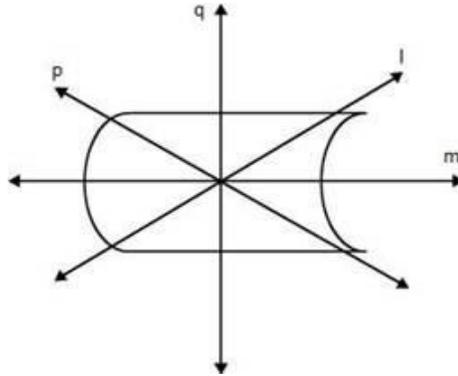
O. P. JINDAL SCHOOL, RAIGARH (CG) 496 001

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WORK SHEET SUBJECT- MATHS CHAPTER- 13 SYMMETRY

CLASS- VI

Q.1 In the figure below, the mirror line or the axis of symmetry is_____.



- a) line q b) line p c) line l d) line m

Q.2 The number of lines of symmetry of compass is

- a) 1 b) 2 c) 0 d) None of these

Q.3 Which of the following figures have only one line of symmetry?

- a) An equilateral triangle.
- b) An isosceles triangle.
- c) A square.
- d) A parallelogram.

Q.4 State true (T) or false (F) for each of the following statements:

- i. A circle has four lines of symmetry.
- ii. A scalene triangle has no line of symmetry.

Q.5 List any five symmetrical objects from your practical life. Draw their pictures also.

Q.6 List all the letters of English alphabets and show how many of them have:

- a) vertical lines of symmetry
- b) horizontal lines of symmetry
- c) Both lines of symmetry.

d) Unlimited lines of symmetry.

e) No lines of symmetry.

Q.7 Draw a rough figure of the following shapes and show how many lines of symmetry they possess:

a) scalene triangle

b) isosceles triangle

c) equilateral triangle

d) square

e) rectangle

f) parallelogram

g) rhombus

h) kite

i) line

j) line segment

k) angle

l) semi-circle

m) circle

n) arrowhead

Q.8 Complete the following table:

S. No.	Shape	Rough Figure	Number of lines of symmetry
1.	Equilateral triangle		
2.	Square		
3.	Rectangle		
4.	Isosceles Triangle		
5.	Rhombus		
6.	Circles		
7.	Parallelogram		
8.	Scalene Triangle		

Q.9 Give three examples of shapes with no line of symmetry.

Q.10 A line segment is Symmetrical about its _____ bisector

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WORK SHEET

SUBJECT- MATHS

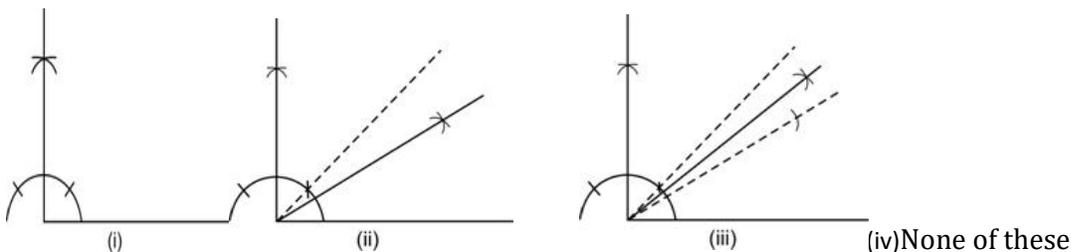
CHAPTER- 14 PRACTICAL GEOMETRY

CLASS- VI

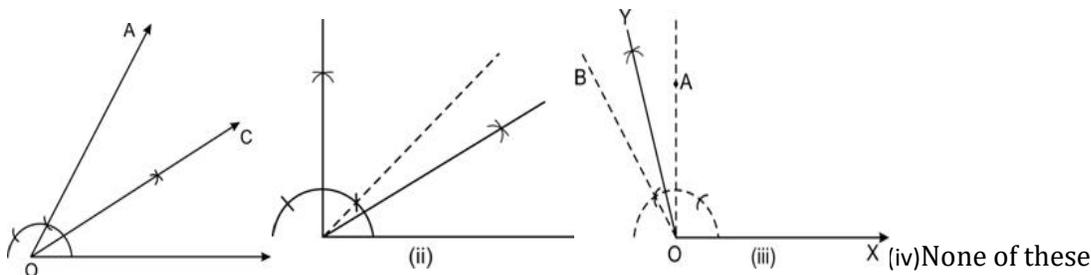
1. Fill in the blanks:-

- If diameter of a circle is 18cm, the radius is _____.
- The longest chord of a circle is _____.
- Number of lines can pass through (a) one given point a _____.
- Circle which have same Centre but different radii are called _____ circles.
- A radius of a circle is a line segment with one end at _____ and the other end point on the circle.

2. Which angle is of 45° in following:



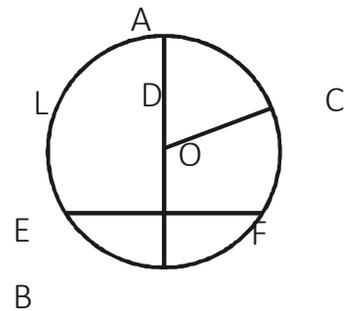
3. Which angle is of 30° in following



- Draw a line segment of length 5cm and construct its perpendicular bisector.
- Draw an angle of 60° and construct its bisector.
- With \overline{AB} of length 6.2cm as diameter, draw a circle.
- Draw a circle of radius 4.5cm. Draw any two of its chords. Construct the perpendicular bisectors of these chords. Where do they meet?

8. Refer to the figure given below, answer the following.

- i) Name any radius of the circle _____
- ii) Name any point on the circle _____
- iii) Name any segment of the circle _____
- iv) Name one sector of the circle _____
- v) Name any point in the interior of the circle _____



9. Draw an angle of measure 63° with the help of a protractor. Find its angular bisector.
10. Construct with ruler and compasses angles of measure 60°
11. Draw any line segment \overline{AB} . Take any point P on it. Through P, draw a perpendicular to \overline{AB}
12. Draw a line l and a point X on it. Through X, draw a line segment XY perpendicular to l . Now draw a perpendicular to XY at Y.
13. Draw a line segment of length 10.5 cm and construct its perpendicular bisector.
14. Draw an angle of measure 150° and bisect it.
15. Draw a right angle and construct its bisector.

WORK SHEET

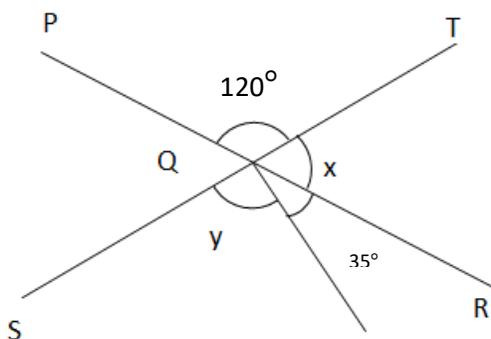
SUBJECT- MATHS

CHAPTER- 05 UNDERSTANDING ELEMENTARY SHAPES

CLASS- VI

Choose correct option in questions 1 to 6

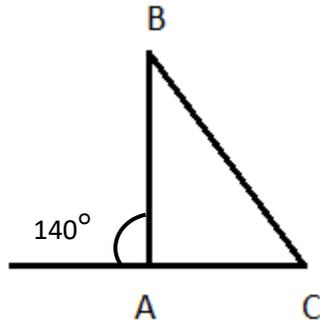
- Q.1 Find the number of right angles turned through by the hour hand of a clock when it goes from 3 to 6.
 a. 3 b. 2 c. 1 d. 0
- Q.2 If you are facing east and turn clock wise through 270° , which direction would you face?
 a. South b. West c. East d. North
- Q.3 Which of the following is NOT true?
 a. All rhombuses are parallelograms.
 b. Some trapezium are rectangles.
 c. All squares are rectangles.
 d. Some rhombuses are squares.
- Q.4 If a bicycles wheel has 48 spokes, then the angle between a pair of two consecutive spokes is:
 a) $5\frac{1}{2}^\circ$ b. $7\frac{1}{2}^\circ$ c. $\frac{2}{11}^\circ$ d. $\frac{2}{15}^\circ$
- Q.5 In figure $\angle BAC = 90^\circ$ and $AD \perp BC$ the number of right triangle in figure is;
 a. 1 b. 2 c. 3 d. 4
- Q.6 Which of the following statement(s) is / are true?
 a. A parallelogram in which two adjacent angles are equal is a rectangle.
 b. A quadrilateral in which both pairs of opposite angles are equal is a rectangle.
 c. In a parallelogram the numbers of acute angles is zero (or) two.
 d. All the above
- Q.7 A polygon formed by four line segments is called a _____.
- Q.8 A triangular pyramid has a triangular has its base. It has _____ faces, _____ edges, _____ vertex.
- Q.9 Where will the hand of a clock stop if it:
 a. starts at 12 and makes half of a revolution, clockwise?
 b. starts at 5 and makes one-fourth of a revolution, clockwise?
- Q.10 Name the types of the following triangles:
 a. Triangles with side 6 cm , 4 cm and 5 cm.
 b. ΔPQR with $PQ = QR = RP = 5$ cm.
 c. ΔABC with $\angle B = 120^\circ$
 d. ΔDEF with $DE = EF = 4$ cm and $DF = 6$ cm.
 e. A triangle with all angles equal.
- Q.11 A square pyramid has a square as its base. Write the numbers faces, Edges, Corners.
- Q.12 In the figure above, PQR and SQT are straight lines. The value of $x + y$ is:



- Q.13 Let \overline{PQ} be the perpendicular to the line segment \overline{XY} . Let \overline{PQ} and \overline{XY} intersect

in the point A. What is the measure of $\angle PAY$?

Q14. In the following diagram $\angle B : \angle C = 3 : 4$ find $\angle B$



Q,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.

CHAPTER -7

FRACTIONS

1. How many fractions lie between 0 and 1?

- a) one b) two c) none d) unlimited

2. The improper fraction of $8\frac{4}{9}$ is

3. $\frac{6}{10}$ is the equivalent fraction of:

- a) $\frac{2}{3}$ b) $\frac{1}{5}$ c) $\frac{3}{5}$ d) $\frac{5}{9}$

4. Which is greater -

- a) $\frac{4}{7}$ or $\frac{8}{9}$ b) $\frac{11}{15}$ or $\frac{13}{14}$

5. Which of the statement(s) is/are False?

a) $\frac{5}{3}$ and improper fraction

b) $\frac{3}{8}$ is a proper fraction

c) $2\frac{3}{5}$ is a mixed fraction

d) $\frac{2}{1}$ is a unit fraction.

6. All improper fractions can be written as mixed fractions.

(State True or false).

7. 48 minutes out of two hours represents of a fraction.

8. Which of the following are like fractions?

- a) $\frac{3}{4}, \frac{5}{8}$ b) $\frac{7}{8}, \frac{8}{5}$ c) $\frac{9}{11}, \frac{7}{11}$ d) $\frac{11}{9}, \frac{11}{3}$

9. A brick weighs $2\frac{1}{3}$ kg where as a marble slab weighs $4\frac{3}{5}$ kg. Which is heavier and by how much?

10. Find the difference between the greatest and the smallest fractions among the following :

$$\frac{17}{5}, 3\frac{4}{5}, \frac{23}{7}, 2\frac{2}{8}$$

11. Mr. Rajan got a job at the age of 24 years and he got retired from the job at the age of 60 years. What fraction of his age till retirement was he in the job?

12. Geeta walked $\frac{1}{2}$ km. Sudha walked $\frac{7}{10}$ km. Who walked farther? How farther did one walk than the other?

13. Sohan was putting covers on his notebooks, he put $\frac{1}{2}$ of the covers on Monday. He put another $\frac{1}{4}$ on Tuesday and the remaining on Wednesday. What fraction of the covers did he put on Wednesday?

14. Is $\frac{5}{9}$ equal to $\frac{4}{5}$? Show required steps.

15. Write the simplest form of:

a) $\frac{189}{279}$ b) $\frac{192}{256}$ c) $\frac{87}{51}$

16. Show the following fractions on a number line :

a) $\frac{5}{9}$ b) $\frac{14}{11}$

17. Give a proper fraction:

a) Whose numerator is 5 and denominator is 7

b) Whose denominator is 9 and numerator is 5.

18. Express in mixed fractions :

a) $\frac{43}{19}$ b) $\frac{96}{13}$ c) $\frac{289}{77}$

19. Write the natural numbers from 2 to 18. What fraction of them are prime numbers ?

20. Arrange in descending order :

$\frac{7}{9}$, $\frac{5}{6}$, $\frac{13}{18}$, $\frac{11}{15}$

.....XXXX.....

QUESTION BANK

CLASS-VI

Ch-1 KNOWING OUR NUMBERS

1) Write the following numbers in expanded form.

- a) 990678423 b) 80750084

2) Insert commas suitably & write the following numbers in Indian system of numeration.

- a) 954389272 b) 55055055

3) Insert commas suitably & write the following numbers in International system of numeration.

- a) 232002004 b) 130250821

4) Write the following numbers in roman numerals.

- a) 39 b) 49 c) 67
d) 169 d) 452 e) 699

5) Write the following in Hindu- Arabic numerals.

- a) XXXIV b) DXXVII c) LXXVII
d) DCLXIV e) CLXVI f) CCCXL

6) Fill the correct sign from $<$, $>$ & $=$.

- a) LXXXV----- CV
b) XCIX-----89
c) CLXVI-----CCCXL

7) Round off the following numbers to nearest tens.

- a) 76 b) 92 c) 118 d) 289 e) 453.

8) Round off the following numbers in nearest hundreds.

a) 378 b) 219 c) 3456 d) 2940

9) Round off nearest hundred & estimate the following.

$$67394 + 4752 - 6845.$$

10) Round off nearest thousand & estimate the following.

$$22345 \times 4026 + 1902$$

11) Write any five 4-digit numbers which when rounded off to the nearest thousand gives 7000.

12) Find the difference between the greatest & the smallest numbers formed by using all the digits 8,0,9,2,7,1 only once each time.

13) The number of sheets of paper available for making notebooks is 125000. Each sheet makes 8 pages of a notebook. Each notebook contains 250 pages. How many notebooks can be made from the paper available?

14) To stitch a shirt 2m 15cm cloth is needed. Out of 38 m 70 cm cloth, how many shirts can be stitched? Will there be any cloth left?

15) A bus travels 34 km 500 m in an hour & consumes 1 l of fuel for every 6 km.

a) How much distance it travels in continuous journey of 8 hours?

b) How much fuel it consumes in the entire journey of 8 hours?

QUESTION BANK

Chapter –2

WHOLE NUMBER

- 1) How many whole numbers are there between 24 & 39?
- 2) Write the successor of each of the following numbers.
 - a) 79 b) 156 c) 385
- 3) Write the predecessor of each of the following number.
 - a) 98 b) 280 c) 591
- 4) Fill in the blanks.
 - a) ----- is the smallest natural number.
 - b) ----- is the smallest whole number.
 - c) All ----- natural numbers are ----- numbers.
- 5) Represent the following on number line.
 - a) $12 - 5$
 - b) 6×4
 - c) $7 + 6$
- 6) $4 + (5 + 9) = (4 + 5) + 9$. This is an example of the -----
of whole numbers.
- 7) The identity element with respect to multiplication is
 - a) 0 b) -1 c) 1 d) 1 & 0 both.
- 8) Give one example to show :
Set of whole numbers is not closed with respect to subtraction.
- 9). Find the sum by suitable rearrangement.
 - a) $2947 + 576 + 153 + 12$.
- 10) Compute the following product by suitable arrangement.
 - a) $2 \times 39 \times 50$
 - b) $8 \times 35 \times 125 \times 20$
11. Find the value of each of the following.

a) $4084 \times 13 + 4084 \times 87$

b) $98765 \times 149 - 98765 \times 49$

12) Find the value of each of the following using distributivity property.

a) 29×75

b) 345×96

13) What should be subtracted from 9000 to get 2645?

14) Interchange the digits 7 & 5 in the number 75,683 & find the difference between the new number & the original number.

15) By how much is 74,981 lesser than 10 lakhs?

16) Add 5438 to the difference between the largest 5 digit number & the smallest 4 digit number.

17) What should be subtracted from 3625 to get 2063?

18) List all the prime factors of the following numbers & find their HCF.

a) 20, 28 b) 30, 75 c) 63, 108

d) 32, 56 e) 54, 12 f) 65, 91

19) Find the HCF of the following numbers by prime factorisation.

a) 64, 72 b) 81, 108 c) 135, 225

20) A number is divisible by 16. By which other numbers is it also divisible?

QUESTION BANK

CHAPTER—3

PLAYING WITH PATTERN

1) State whether they are true or false.

a) A number having only two factors is called a prime number. ----

--

b) All natural numbers are either prime or composite.-----

c) An even number can never be a prime number.-----

2) Fill in the blanks.

a) The ----- of a number are greater than or equal to the number.

b) ----- is neither prime nor composite.

c) The smallest factor of 48 is-----.

d) The smallest multiple of 72 is -----.

3) Which of these numbers is a factor of 91?

3, 7, 11, 13, 97 ?

4) Write all prime numbers between 75 & 85.

5) Express 85 as sum of two odd primes.

6) What is a perfect number? Are all perfect numbers odd?

7) Between 90 & 117 how many prime numbers are there?

8) Check the divisibility of 3467 by 2.

9) Check the divisibility of 11382 by 3.

10) A number is divisible by 7 & 13. By which other number will that number be also divisible?

11) HCF of two numbers is 11 & if their product is 7623 then find their LCM.

12) Check the divisibility of the following numbers by 11.

a) 70169

b) 962731

13) Find the HCF of 48, 168 & 252.

14) Check the divisibility of the following numbers by 8.

a) 43834

b) 357336

15) Find the LCM of 12,15,20 & 54.

16) What is the smallest whole number which leaves remainder 3 when divided by 4,5 & 7?

17) What is the smallest multiple of 15 which is greater than 10,000?

18) Find the greatest number that will divide 80,118 & 43 leaving the remainder 8,10 & 7 respectively.

19) Find the greatest number of four digits which on dividing 8, 16, 24, 36 & 48 leaves remainder 4 in each case.

20) what least number must be subtracted from 1294 so that the remaining number when divided by 9,11,13 will leave in each case the same remainder 6?

QUESTION BANK

CHAPTER- 4

BASIC GEOMETRICAL IDEAS

1. Fill in the blanks.
 - a) A line segment has ----- end points.
 - b) ----- lines can be drawn through a given point.
 - c) A ----- can be drawn through any two given points.
 - d) The point through which two lines pass is called the point of ---
 - e) Parallel lines are ----- from each other.
2. State whether they are true or false.
 - a) A line segment that joins two points on circle is called a chord of the circle.
 - b) A quadrilateral always has two diagonals.
 - c) Any two chords of a circle will definitely intersect.
3. How many end points does a ray have?
4. What is the figure formed by two rays with a common end point known as?
5. Name the following:
 - a) The longest chord of a circle.
 - b) A part of circumference of a circle.
 - c) Half of a circle.
 - d) Half of the longest chord.
- 7) Write the name of the unit by which an angle is measured.
- 8) If two lines in a plane do not intersect at any point, what are they called?
- 9) How many lines are drawn in the given figure?
 - a) Name all the lines drawn in the figure.
 - b) Name all the rays drawn.



10) Answer the following:

- a) Is the given figure a close curve?**
- b) Is it a polygon?**
- c) If it is a polygon draw diagonals of it.**

11) Draw a rough sketch of triangle & name it as ABC. Now draw

- a) Another triangle having AC as one side.**
- b) A triangle with BC as one side.**

12) How many triangles are there in the given figure? Write the name of all the triangles.

- a) Write the name of the triangles having the common point O.**
- b) Are there any triangles having a common angle?**
- c) Name the adjacent angles from the figure.**

13) Which of the following statements are true?

- a) A point determines a location.**
- b) A point does not have dimensions.**

QUESTION BANK

Chapter -10

MENSURATION

1. Fill in the blanks.
 - a) Perimeter of a equilateral triangle = -----X-----
 - b) Perimeter of a regular hexagon = -----X-----
 - c) Breadth of a rectangle= -----/-----
 - d) Area of a square=-----X-----
2. If the perimeter of a square is 12cm, then its area is-----
 - a) 9 sq.m b)144 sq.m c) 16 sq.m d) None of these
- 3.The perimeter of a rectangle is 32cm. Which of the following can not be its dimensions?
 - a) 15 cm,1cm b) 8cm,8cm c) 11cm, 5cm d) 14cm, 3cm
4. The length of a square is doubled, then its area will become ---
----times the original area.
 - a) 8 b) 4 c) 2 d) None of these
5. 1 sq.m = -----sq.cm
 - a) 100 b) 1,000 c) 10,000 d) 10
- 6.Find the perimeter of a rectangle of length 18 cm & breadth 12cm.
- 7.Find the perimeter of an isosceles triangle with equal sides of 8cm & third side 12cm.
8. Find out perimeter of regular octagon of side 16cm.
9. Find out the area of the square plot whose side is 19m.
- 10.What is the area of the plot whose length is 25 m & breadth is 16m?

11. Two sides of a scalene triangle measures 15cm & 11cm. If the perimeter of the triangle is 40 cm, find the length of the third side.

12. Which costs more? Fencing a rectangular field of length & breadth 18 m & 12 m or a square field of side 30.5 m? The cost of fencing is Rs 25 per metre.

13. The length & height of a wall are 8m & 6m respectively. The length & breadth of one strip of the wallpaper are 80cm & 40cm respectively. Find the cost of covering the wall with wallpaper , if one strip of the wallpaper costs Rs.175.

14. The length of a rectangle is 48cm & its breadth is $\frac{1}{3}$ of its length. Find out area of the rectangle.

15. A rectangular field is 34 m long & 12 m wide, there is a gate of width 2m at the entrance. The remaining boundary of the field has to be fenced with four rounds of wire. Find the length of wire required.

QUESTION BANK

CHAPTER – 11

ALGEBRA

1. Write algebraic equation for the following statements & hence solve.

a) A number divided by -3 gives -12.

b) 10 subtracted from 5 times a number gives 15.

c) A number divided by 2 decreased by 3 gives 5.

d) When a number is subtracted from 16 the result is 4.

e) A number multiplied by 8 gives -48.

2. Which of the following are equations? Give reasons for your answers.

a) $5 \times 4 - 3 \times 5 = 2x + 1$

b) $3x - 4 < 5$

c) $7x + 8 > 19$

d) $2x + 7 = 14$

3. Bimal bought 7 pens & paid Rs.50 to the shop keeper. If he got back Rs.8 as balance, what is the price of one pen?

4. Check whether 7 is a solution of the equation $3x+2=17$.

5. Find the solution of the equation $y/5 + 4 = 13$

6. If $3x=15$ & $5y=15$ then which of the following statement is incorrect?

7. The weight of an orange is 440g & that of a mango is 550g. What is the total weight of x oranges & y mangoes?

8. If $x/3 = -4$ then $2x =$ -----

9. If $2x-5 = x-4$ then, $x =$ -----

10. What is the total amount spent if Zoya spends Rs. 75 on books, Rs. a on pencil & Rs. b on geometry box?

11. Ram is 5 years older than Ravi. If the sum of their ages is 59, then find their ages.

12. The cost of a packet of crayons is Rs. 12. Find the number of crayons Vikram has if he buys crayons packets for Rs. 96 & each packet has 10 crayons.

13. The length of a rectangle is 6m more than its breadth & its perimeter is 200m. Find the length & breadth of the rectangle.

14. There are 60 marbles in a packet. The number of red marbles is 6 more than the number of blue marbles. Find the number of blue marbles & red marbles.

15. The difference between 60 & three times a number is 15. Find the number.

16. Half a number plus 7 is 13. What is the number?

QUESTION BANK

CHAPTER- 12

RATIO & PROPORTION

1. In a office there are 75 women & 125 men. Find the ratio of number of men to the number of women.
2. Find the ratio of 600 g to 5kg.
3. Divide Rs.4800 among Sama, Roshan & Ananya in the ratio 4:5:6.
4. Give four equivalent ratios of 5:7.
5. If the 1st, 2nd & 3rd terms of a proportion are 12,28 & 39 respectively, find its fourth term.
6. Express 15 weeks :1 year into lowest term.
7. State whether the following are True or False.
 - a) The fractional form of the ratio 2 : 7 is $\frac{7}{2}$.
 - b) Ratio is a comparison between two quantities of the same kind.
- 8.If the cost of 45 mangoes is Rs 130, what is the cost of 18 mangoes?
9. A vehicle can cover a distance of 75 Km in 2hours. What distance would it cover in 7 hours?
10. Two numbers are in the ratio 2:7. If their sum is 99, find the numbers.
11. Find the angles of a triangle if they are in the ratio 2 : 5 : 8.
12. Mohit earns Rs 22950 & saves Rs 2754 per month.Find the ratio of
 - a) his income & savings.
 - b) his income & expenditure.
 - c) his expenditure & his savings.

13. The value of a in a :30 : : 7 : 15 is

- a) 14 b) 35 c) 2 d) 41**

14. If 8 apples cost Rs 40, the cost of 20 apples is

- a) Rs 320 b) Rs 240 c) Rs100 d) Rs 160**

15. Mira travels 45 km in 54 minutes . How much time will she take to travel 70 km?

16. A car consumes 12 litres of petrol to travel a distance of 144 km. How much petrol is required to cover 240 km?

17. The cost of 10 notebooks is Rs. 330 & the cost of 2 pens is Rs.44. Find the ratio of the cost of a notebook to the cost of a pen.

18. There are 30 chocolates in a box out of which 10 are plain milk, 12 are dark & the remaining are fruit & nut. Find the ratio of

a) No. of plain milk chocolates to the number of dark chocolates.

b) No. of dark chocolates to the number of fruit & nut chocolates.

c) Number of fruit & nut chocolates to the total number of chocolates.

QUESTION BANK

CHAPTER – 9

DATA HANDLING

1. The number of students studying in different schools in a city are shown in the form of pictograph.

CBSE School	☆☆☆☆
State Government School	☆☆☆☆☆☆☆☆☆☆
ICSE School	☆☆☆☆
International School	☆☆

1 ☆ = 2000 students

- a) How many students are studying in ICSE Schools?
- b) Which type of schools has least number of students?
- c) How many students are studying in State Government Schools?
2. Following are the favourite cartoon characters of 15 children.
Doraemon, Jerry, Mickey mouse, Jerry, Tom, Doraemon,
Doraemon, Mickey mouse, Jerry, Jerry, Jerry, Doraemon,
Doraemon, Doraemon.
- a) Arrange the names of cartoon characters in a table using tally mark .
- b) Which cartoon character is liked by most of the children?
- c) Which cartoon character is least liked by the children?
3. The following data gives the marks obtained by 40 students in a class. Arrange these marks in a table using tally marks.

6, 7, 4, 11, 12, 10, 12, 9, 4, 3, 10, 12, 7, 6, 4, 5, 3, 2, 4, 11, 4, 3, 8, 4, 2, 10, 11, 9, 8, 6, 9, 8, 9, 5, 6, 4, 12, 10, 9, 6.

a) How many students scored marks more than or equal to 10?

b) How many students scored marks below 5?

c) How many students scored 9 marks?

4. The number of gold medals won by 5 schools in an inter school sports meet are given below in the form of a pictograph. Based on the pictograph answer the following questions.

Names Of Schools	Numbers of gold medals
St. Joseph's International School	¥ ¥ ¥ ¥ ¥
Vidya Sagar Vidyalaya	¥ ¥ ¥ ¥ ¥ ¥ ¥
Gurunanak Vidyaashram	¥ ¥ ¥ ¥ ¥ ¥ ¥ ¥ ¥ ¥
Army Public School	¥ ¥ ¥ ¥ ¥ ¥ ¥ ¥
Crescent Public School	¥ ¥ ¥ ¥ ¥ ¥

1 ¥ = 1 Medal

a) Which school won maximum gold medals?

b) How many medals were won by the Army Public School?

c) Which school won 7 medals?

d) Find the total number of gold medals distributed on the sports meet?

5. The number of tickets sold for a night show in a theatre for week is given in the following table. Represent the data in the form of a bar graph using appropriate scale.

Days	Sun	Mon	Tues	Wed	Thurs	Fri	Sat
Number of Tickets sold	89	64	63	72	53	76	98

6. The rate per square feet for flats offered by 5 flat promoters are given below. Draw bar graph by using suitable scale.

Name of the builders	Rate per sq. feet
Annual Builders	Rs. 3000
Mahalakshmi Constructions	Rs.3200
Smart Living Homes	Rs.3500
AB- Builders	Rs.2800
Amar Homes	Rs.2700

7. The total no. of children in a school in different years is shown in the following pictograph.

Years	Number Of Children
1990	
1995	
2000	
2005	
2010	

Scale 1  = 100 Children

Based on the pictograph answer the following questions:

- In which year the number of children was least?
- What was the number of children in 2000?
- How many more children were there in the school in 2010 than in 1990?
- How many less children were there in the school in 2000 than 2005?
- In which year the number of children was the most?
- children were there in 1995.
- Total number of children in 2005 & 2010 was -----.

CHAPTER -6

INTEGERS

Q1. Which of the following number is greater than -1 ?

(a) -2 (b) -10 (c) 0 (d) -3

Q2. The preceding number of -1 on number line is:

(a) 0 (b) 1 (c) 2 (d) -2

Q3. Which number is 5 more than -3 ?

(a) -2 (b) 2 (c) 8 (d) -8

Q4. 7 steps to the left of 4 on number line gives:

(a) 3 (b) 11 (c) -11 (d) -3

Q5. Smallest integer is:

(a) 0 (b) -1 (c) we cannot write (d) -10000

Q6. Which of the following statement is true:

(a) 2 subtracted from -3 gives 1

(b) -1 subtracted from -5 gives 6

(c) 3 subtracted from -8 gives -11

(d) 1 subtracted from -7 gives -6

Q7. Which of the following is in increasing order

(a) $0, 1, -1$ (b) $-1, -2, -3$ (c) $-1, 0, 1$ (d) $-1, 1, -2$

Q8. Which of the following is correct :

(a) $-8 > -7$ (b) $1 < 0$ (c) $-1 < 0$ (d) $-2 > 4$

Q9. Which of the following number forms a pattern

(a) $-6, -3, 0, 3$ (b) $-5, -3, -2, 0$ (c) $0, 2, 3, 4$ (d) $1, 2, 4, 6$

Q10. Which of the following will give answer with negative sign

(a) $-48 + 79$ (b) $-40 + 40$ (c) $-48 + 30$ (d) $48 + (-39)$

Q11. What will be the additive inverse of -1 ?

(a) -2 (b) -1 (c) 0 (d) 1

Q12. Sum of a negative and a positive integer is –

(a) Always negative (b) either positive or negative

(c) always positive (d) Zero

Q13. Show using number line :

a) $5 + (-2) + (-6)$

b) $3 + (-2) + (-4)$

Q14. Subtract the sum of -8 and -28 from the sum of -13 and 31.

Q15. Temperature of a place at 12:00 noon was $+5^{\circ}\text{C}$. Temperature increased by 3°C in first hour and decreased by 1°C in the second hour. What was the temperature at 2:00 pm?

Q16. Simplify : a) $-456 - (-986) + 254 - 703$

b) $7589 + (-2004) - 710 - 8265$

Q17. The temperature in Shimla was 4°C in the afternoon but at midnight the temperature fell by 10°C . What is the temperature recorded at midnight?

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CHAPTER –8

DECIMALS

Q1. 108.56 can be written in words as :

- a) One hundred eight point fifty six b) One hundred eight point five six
c) Ten thousand eight hundred fifty six d) none of these

Q2. 5.008 can be written in words as

- a) Five thousand eight b) Five point eight
c) Fifty point eight d) five point zero zero eight

Q3. Which of the following point lies between 0.1 and 0.2

- a) 0.19 b) 1.9 c) 10.9 d) 1.09

Q5. Which of the following is greater?

- a) 1.09 b) 0.19 c) 1.90 d) 1.009

Q6. Which of the following is true -?

- a) $0.3 > 0.4$ b) $0.07 < 0.02$ c) $3 > 0.8$ d) $0.5 = 0.05$

Q7. Three hundred six and seven hundredth in decimal form can be written as:

- a) 306700 b) 306.7 c) 306.07 d) 30670

Q8. Here $21.32.549 > 32.458$ because

- a) Tenth part is more b) Hundredth is more
c) Thousandth is more d) Whole part of both number are equal

Q9. 8888m in Km can be written as:

- a) 88.88Km b) 888.8Km c) 8.888Km d) 8888Km

Q10. Express the following fractions in decimals:

- a) $\frac{9}{5}$ b) $\frac{16}{25}$

Q11. Neha travelled 18 km 343 m by bus, 4 km 15 m by scooter and finally walked 208 m to reach the stadium for her basketball match. What is the total distance covered by her ? Write in decimals.

Q12. Rahul and Sneha are 1.64 m and 98 cm tall respectively. What is the difference between their heights in metres and in centimetres separately ?

Q13. The weight of a cylinder filled with gas is 28 kg. If the weight of the empty cylinder is 13 kg 600 g, find the weight of the gas contained in it.

Q14. Himani buys a pair of trousers and a shirt for her father for Rs. 565.99 and Rs. 455.50 respectively. What is the total cost of these items ? If she has Rs. 1200, how much money is left with her after shopping?