

**INTERNATIONAL INDIAN SCHOOL, DAMMAN**

**MATHEMATICS WORKSHEET 2017-2018**

**CLASS: VI**

**CHAPTER-1 KNOWING OUR NUMBERS**

1. Find the smallest 5 digit number using 9, 6, 7 and 0.
  2. Find the difference between greatest and smallest 4 digit number using 3, 4 and 0.
  3. What is the difference between place value and face value of 7 in 4, 76,193.
  4. Write the following numbers in expanded form. Also write their number names in Indian as well as in International system of numeration.  
a) 34564129                      b) 1000201                      c) 567234
  5. Place commas correctly and write the numerals:-
    - a) Three crore eighty lakhs thirteen thousand three hundred fifty.
    - b) Sixty million three hundred twenty four thousands seventy.
    - c) Five million eighty thousand twenty.
    - d) Fifty lakhs thirty four thousand nine.
  6. Arrange the following numbers in ascending and descending order  
a) 3896501    b) 98700010    c) 100002    d) 9810045    e) 900100
  7. Round off to the nearest tens:-  
a) 44                      b) 407                      c) 5,628                      d) 1,290
  8. Round off to the nearest hundreds:-  
a) 234                      b) 5,489                      c) 3,246                      d) 67,999
  9. Round off to the nearest thousands:-  
a) 9,55,981    b) 23,23,009    c) 12,999    d) 9,649
  10. Estimate the following using general rule:  
a)  $56 \times 598$     b)  $1,734 \times 667$     c)  $9,101 \times 8$
  11. The daily wage of a man is Rs. 600. How much he earns in the month January?
  12. What should be added to 9901 to make the smallest 5-digit number?
  13. Populations of two cities are 3, 45,700 and 3, 96,450 respectively. What is the total population of two cities?
  14. A toy factory is producing 12,000 toys per day. How many toys it can produce in one week?
  15. To stitch a frock, 2m15cm cloth needed. Out of 40m cloth, how many frocks can be stitched and how much cloth will remain?
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# INTERNATIONAL INDIAN SCHOOL DAMMAM

## MATHEMATICS WORKSHEET 2017-2018

Class: VI

WHOLE NUMBERS

- 1) Write successor of
  - a) 50001
  - b) 81000
  - c) 73499
  - d) 9909
- 2) Write predecessor of
  - a) 1000000
  - b) 8888
  - c) 453700
  - d) 19901
- 3) Find using number line
  - a)  $9-4$
  - b)  $5 \times 2$
  - c)  $6+2+1$
  - d)  $4 \times 3$
- 4) How many whole numbers are there between 49 and 63
- 5) Additive identity of whole number is————
- 6) Determine the sum of four numbers given below
  - i) Successor of 39
  - ii) Predecessor of 89
  - iii) Successor of the successor of 34
  - iv) Predecessor of the predecessor of 61
- 7) Find the product using suitable properties
  - a)  $102 \times 70$
  - b)  $48 \times 99$
  - c)  $4 \times 1992 \times 25$
- 8) Find the value by suitable arrangement and mention the property used
  - a)  $26 \times 48 + 48 \times 36$
  - b)  $454 \times 25 + 75 \times 454$
  - c)  $1983 + 4362 + 217 + 638$
  - d)  $1983 + 558 + 217 + 442$
  - e)  $67 + 933 + 5498$
- 9) How many whole numbers are there between 7982905 and 7983015
- 10) Find the difference between smallest 5 digit whole number and largest 3 digit whole number
- 11) List 5 successive whole numbers just after 40102
- 12) Which whole number is not a natural number
- 13) State the following property in whole numbers
  - a)  $999 \times 1$  is a whole number

b)  $2 \times 100 \times 9 = 9 \times 100 \times 2$

c)  $3 + 2 = 2 + 3$

d)  $3 + (7 + 6) = (3 + 7) + 6$

e)  $18 \times 7 + 18 \times 3 = 18 \times (7 + 3)$

14) Check true or false

a) Zero is the smallest natural number

b) Zero is less than every natural number

c) 10000 is the predecessor of 9999

d) 1 is the greatest natural number

e) Whole number 23 lies between 24 and 25

f) The successor of a three digit number is always a four digit number

**INTERNATIONAL INDIAN SCHOOL, DAMMAM**

**MATHS WORKSHEET (2017-18)**

**CLASS VI**

**PLAYING WITH NUMBERS**

**Fill in the blanks**

- 1) Fifth multiple of 7 is \_\_\_\_\_
- 2) The LCM of two consecutive natural number is \_\_\_\_\_
- 3) HCF of two co-prime numbers is \_\_\_\_\_
- 4) A number is divisible by \_\_\_\_\_, if it is divisible by both 3 & 6
- 5) The least two digit prime number is \_\_\_\_\_

**Answer the following**

- 6) Check whether the given sets are co-prime or not  
a) 30, 415    b) 17, 68    c) 21, 44
- 7) Express each of the following numbers as the sum of twin primes  
a) 36    b) 84    c) 60    d) 144
- 8) Match the following

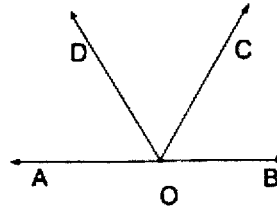
(1) 90	(a) Multiple of 7
(2) 15	(b) Factor of 40
(3) 28	(c) Multiple of 9
(4) 40	(d) Factor of 50
(5) 25	(e) Factor of 30

- 9) Find the prime factorization of 540
- 10) Write the prime factorization by using factor tree  
a) 90    b) 36
- 11) Find the LCM of the following  
a) 14, 126    b) 535, 725    c) 144, 180, 384
- 12) Determine the HCF of the following numbers (division method)  
a) 225, 300    b) 70, 105, 175    c) 403, 434, 465
- 13) Find the greatest number which divides 617 and 965 leaving remainder 8 in each case
- 14) Determine the smallest three digit number which is exactly divisible by 6, 8 and

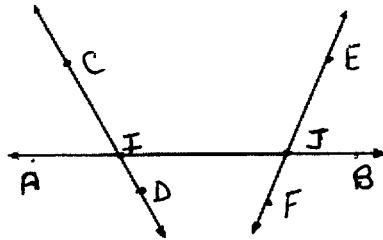
- 15) Determine if 25110 is divisible by 45
- 16) Test the divisibility of the following by 11  
a) 4334                      b) 51478                      c) 901351
- 17) Using divisibility test, determine which of the following are divisible by 4  
a) 9322                      b) 43216                      c) 31795012
- 18) Find the greatest number which divides 2011 and 2623 leaving remainders 9 and 5 respectively
- 19) Tea is to be packed in 100, 200, 250 or 500 gm packets. Find the least quantity of tea required so that an exact number of any kind of packet can be made from it.
- 20) Determine the longest tape which can be used to measure exactly the lengths 700m, 385cm and 1295cm
- 21) Using each of the digits 1, 2, 3 and 4 only once, determine the smallest 4-digit number divisible by 4.
- 22) Three bells toll at intervals of 9, 12, 15 minutes respectively. If they start tolling together, after what time will they next toll together?

**INDIAN INTERNATIONAL SCHOOL DAMMAM**  
**WORKSHEET - BASIC GEOMETRICAL IDEAS**  
**CLASS - VI      2017-2018**

1. In the given figure name a) 4 points b) a line c) 4 rays



2. From the given figure name a) two sets of collinear points b) line containing point A c) line passing through C d) one pair of intersecting lines

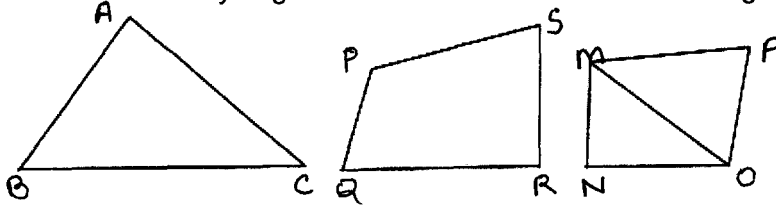


3. Fill in the blanks:

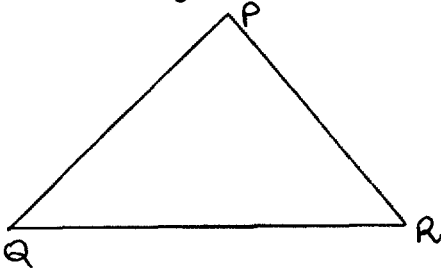
- a) A line has ----- length.
- b) A point where three or more lines meet is called -----.
- c) Three or more lines are collinear if they lie on the same -----.
- d) We can draw ----- line/lines passing through same points.
- e) The meeting point of a pair of adjacent sides of a polygon is called its -----.
- f) The join of two vertices of a polygon which are not adjacent is called its -----.
- g) An angle has ----- vertex and ----- arm/arms .
- h) A polygon having three sides is called a -----.
- i) Quadrilateral is a polygon having ----- sides .
- j) A quadrilateral ha ----- diagonals.
- k) A line segment joining any two points on circumference of a circle is called a -----.
- l) Longest chord is called as-----.
- m) Length of diameter is ----- the radius.
- n) Circles having different radii but the same centres are called ----- circles.

4. Draw a polygon having a) 3 sides b) 4 sides c) 5 sides d) 6 sides

5. How many angles are shown in each of the following diagrams? Name them.

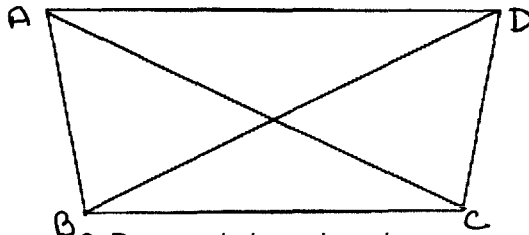


6. In the figure name all the three angles, sides and vertices of the triangle PQR.



7. In quadrilateral ABCD name the following

- Vertices
- Pair of opposite sides
- Angles
- Pair of opposite angles
- Pair of adjacent sides
- Diagonals



8. Draw a circle and mark

- Its centre
- A radius
- A diameter
- A point in its interior
- A point in its exterior
- A point on the circle
- A chord
- An arc
- A sector
- A segment

9. State True or false : In a given circle

- Any number of chords can be drawn
- Only one radius can be drawn
- All the radii are different in length.
- Radius is also a chord
- Diameter is also a chord

# INTERNATIONAL INDIAN SCHOOL DAMMAM

## MATHEMATICS WORKSHEET 2017-2018

Class VI

UNDERSTANDING ELEMENTARY SHAPES

- 1) An angle which is greater than right angle but less than straight angle is called-----  
\_\_\_\_\_
- 2) If two lines are perpendicular to each other, then the angles between them is ----  
\_\_\_\_\_
- 3) What fraction of revolution clockwise does the hour hand of a clock turn through when it goes from  
i) 4 to 10    ii) 5 to 8    iii) 6 to 3    iv) 3 to 9    v) 8 to 12    vi) 11 to 12
- 4) Where will the hand of a clock stop if it  
i) Starts at 7 and makes  $\frac{1}{4}$  revolution  
ii) Starts at 4 and makes  $\frac{1}{2}$  of revolution  
iii) Starts at 6 and makes a complete revolution
- 5) What direction will you face if you start facing  
i) West and make  $\frac{1}{4}$  of a revolution clockwise  
ii) South and make  $\frac{1}{2}$  of revolution anticlockwise  
iii) North and make  $1\frac{1}{2}$  of a revolution clockwise
- 6) Only two angles of -----triangle are equal
- 7) A parallelogram having all the sides equal is called a-----
- 8) Match the following

i	All quadrilaterals whose all sides ,diagonals and angles are equal	a	Trapezium
ii	Every rhombus is	b	Square
iii	Diagonals of rectangle	c	Parallelogram
iv	Diagonals of a rhombus	d	Are equal
v	The quadrilateral in which one pair of opposite sides are parallel is called	e	Bisect each other at right angles



9

<b>Object</b>	<b>No: of faces</b>	<b>No: of edges</b>	<b>No: of vertices</b>
Cube			
Cuboid			
Triangular prism			
Triangular pyramid			
Square pyramid			

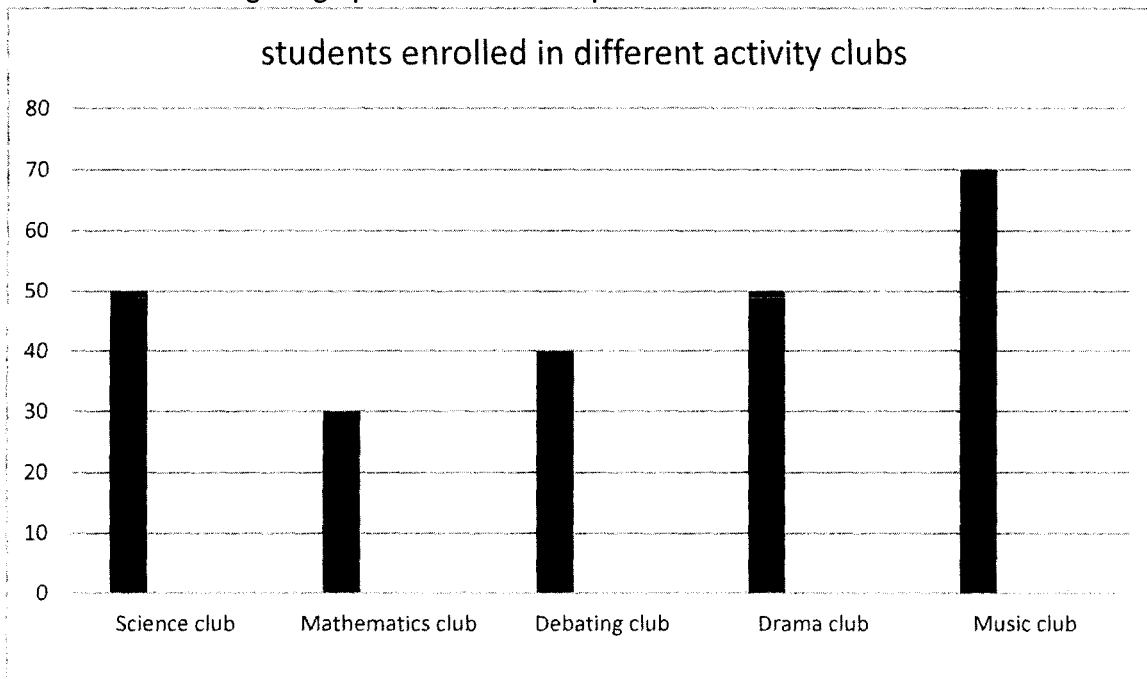
**INTERNATIONAL INDIAN SCHOOL DAMMAM**

**MATHS WORKSHEET (2017-2018) CLASS: VI**

**CHAPTER:-DATA HANDLING**

1. \_\_\_\_\_ is a collection of numbers gathered to give some information.
2. The number of times a particular observation occurs is called \_\_\_\_\_.
3. Method of representation of data by drawing bars of equal width is called \_\_\_\_\_.
4. The representation of data or information through pictures of objects is called \_\_\_\_\_.
5. The \_\_\_\_\_ of each bar gives the required information.

6. Read the following bar graph and answer the questions.



- a) Which club has the least number of members and how many?
- b) Which club is the most popular among the students?
- c) How many students are members of the music and science clubs put together?
- d) What is the total number of members in various clubs?
- e) If the member ship fee for each club is ₹50, then what is the total amount of fee collected by the drama club?

7. The following data gives the number of children in 20 families.

1,1,2,3,2,3,4,5,1,5,4,1,2,4,2,2,1,3,3,2.

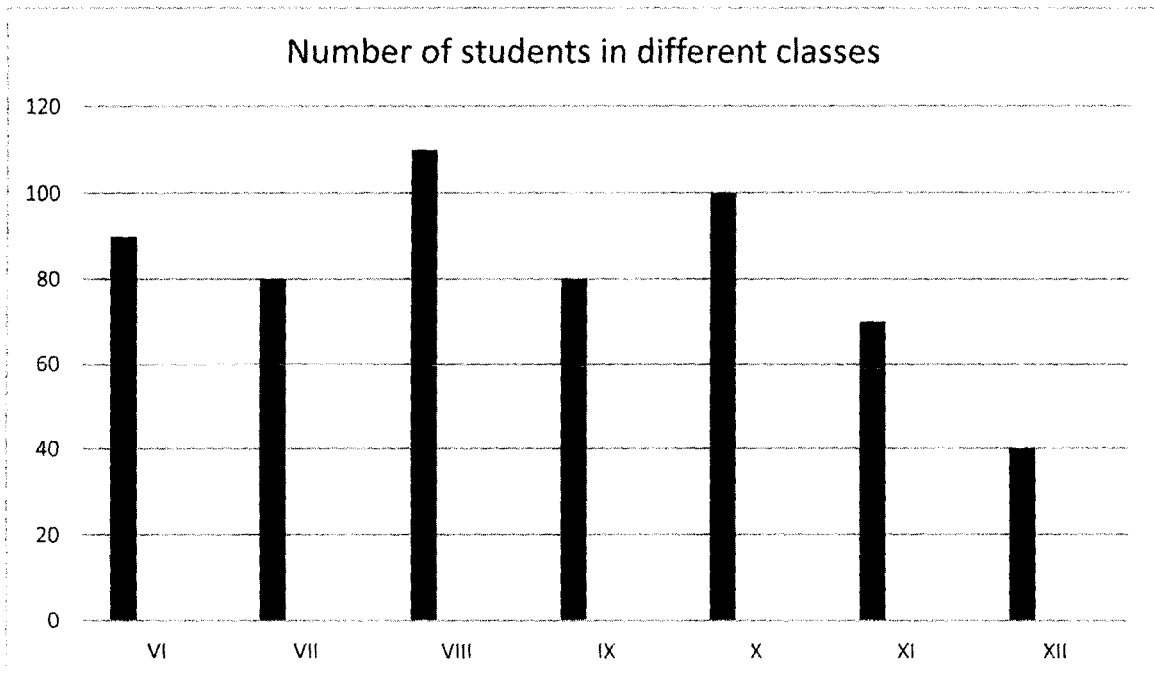
Arrange the data and form a frequency distribution table.

8. In a school there are five sections of class VI .The number of students involved in charity work in each section is as follows.

Section	A	B	C	D	E
Number of students	35	40	43	41	39

Construct a bar graph to represent the given data.

9. Use the bar graph below to answer the questions :




- How many students are there in class XII?
- Write the number of students in class VI?
- Which are the two classes that have an equal number of students?
- How many more students are there in class X than in class IX?

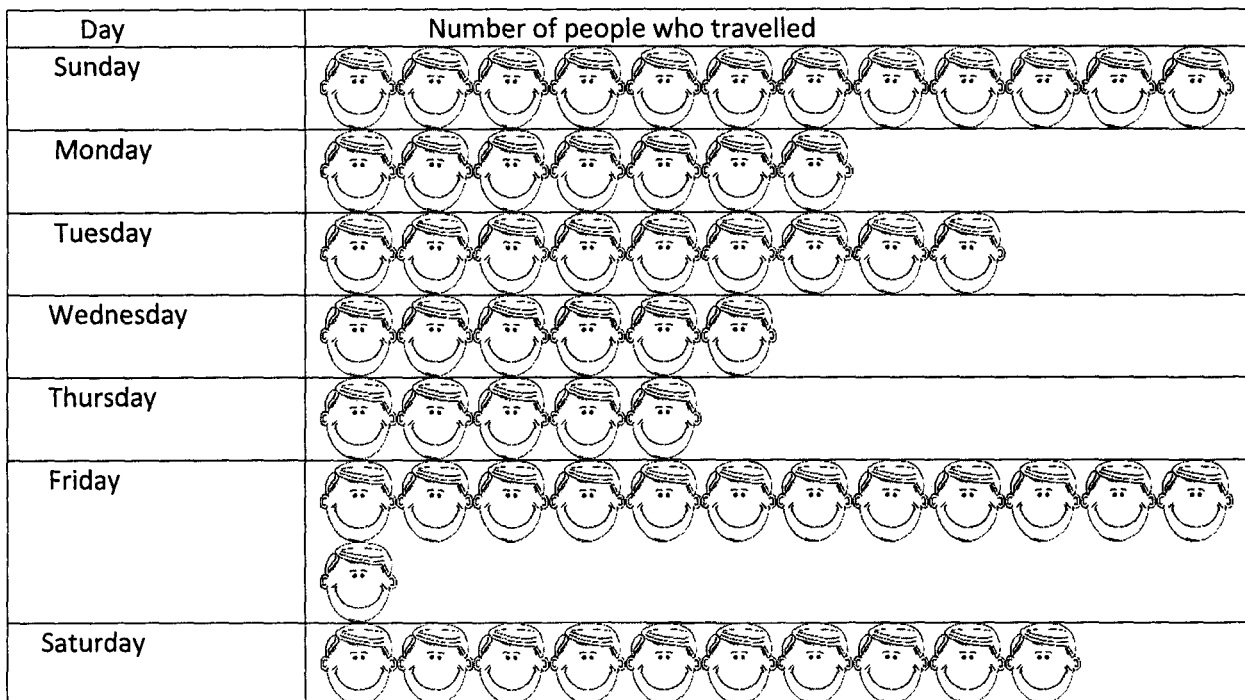
10. Following are the scores of a batsman in 6 overs of a cricket match.

2	0	6	4	1	0	2	4	2	0	0	1
1	4	2	2	6	0	0	6	0	0	1	2
4	4	2	1	0	1	0	0	6	4	1	2

Represent the data in a frequency distribution table using tally marks.

11. The following pictograph shows the number of people who travelled from Mumbai to New Delhi by Rajdhani Express on each day of the week.

(Scale :  = 100 people) Read the pictograph and answer the questions.



- On which day of the week maximum number of people travelled?
- On which day of the week minimum number of people travelled?
- How many people travelled during the whole week?
- How many more people travelled on Friday than on Saturday?

12. The following table shows the favorite sports of 200 students of a school.

Sport	Badminton	Tennis	Football	Cricket	Swimming
Number of students	25	45	25	75	30


Represent the data by a bar graph.






13. Various modes of transport used by 1750 students of a school are as follows:

Modes of transport	Car	Bicycle	Private bus	Walking	School bus
Number of students	250	150	300	400	650

Represent the data by a bar graph.

14. The following pictograph shows the number of people who visited a museum during a week. Read the pictograph and answer the questions

(Scale:  = 100 visitors)

Day	Number of visitors
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

- On which day maximum number of people visit the museum?
- How many people more visited the museum on Thursday than on Monday?
- How many symbols represent the total number of people who visited the museum during the week?
- If a profit of ₹10 was made on the sale of each entry ticket, find the profit made on Wednesday?

15. The ages (in years) of 25 students of class VI were recorded as follows:

10 11 11 11 10 11 10 12 12 11 11 10 13  
 10 11 11 11 11 12 10 10 14 12 11 10

Prepare a frequency distribution table for these data.

16. The number of bags sold by a shopkeeper in a certain week is as follows :

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Number of bags sold	320	140	410	250	150	180

Draw a bar graph for the above data