

**DELHI PUBLIC SCHOOL, DURGAPUR**  
**QUESTION BANK & REVISION SHEET FOR FINAL TERM (2017-18)**

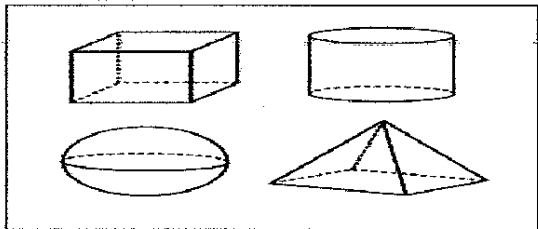
**CLASS-V**  
**SUBJECT (MATHEMATICS).**

**MEASUREMENT**

- 1) Convert a) 7m 9dm into cm b) 0.004 kg into g c) 2 km 5 hm into mm
- 2) Convert a) 12.5L into hL b) 5807 mL into L
- 3) Express in decimal notation and add
  - a) 6m 4dm 6mm, 12m 7dm 2mm, 5m 6cm
  - b) 8kL 80L, 35kL 8 daL, 6 hL 7L, and 14 kL 7L
- 4) Express in decimal notation and subtract
  - a) 6m 5 cm 7mm from 17m 5 cm 6mm
  - b) 11kL 333L from 21kL 8hL 5 L
- 5) Express in decimal notation and divide
  - a) 333 km 7hm 5dam by 15 b) 131kL 200L by 25
- 6) By how much is 5.575 g more than 0.479g
- 7) In an area 85,742 kg rice was distributed in the month of September. What is the supply of rice in a day if equal quantity is supplied each day ?
- 8) The height of a mountain is 6.854km. A man climbs 2.546km in 10 days. Find the height of the mountain yet to be climbed by the man to reach its peak ?
- 10) A grocer sold 14.50 kg of sugar, 17.75kg of pulses, 8.9 kg of biscuits on a day. What is the total mass of items sold by him on that day?

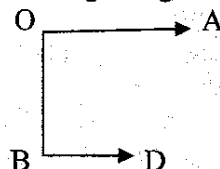
**GEOMETRICAL SHAPES, BASICS OF GEOMETRY**

- 1) A triangle can have \_\_\_\_\_ obtuse angle.
- 2) A triangle with all sides equal is called as \_\_\_\_\_ triangle.
- 3) Can you draw a triangle with angles  $40^\circ$ ,  $40^\circ$  and  $75^\circ$ .
- 4) What are the types of triangle on basis of sides and angles.
- 5) Are all equilateral triangles isosceles triangles ? Why/ why not ?
- 6) A polygon of 4 sides is called as \_\_\_\_\_, while a polygon with 6 sides is called as \_\_\_\_\_.
- 7) One angle of a right angled triangle is  $40^\circ$ . Find the remaining angle.
- 8) Name the triangle according to sides AB=5cm, BC= 4 cm, CA=5 cm.
- 9) A cube is a 3D representation of a \_\_\_\_\_.
- 10) Identify the following 3 D shapes



- 11) The sum of three angles of a triangle = \_\_\_\_\_.
- 12) The sum of the lengths of any two sides of a triangle is \_\_\_\_\_ than the third side.

- 13) Triangle with equal sides is called as \_\_\_\_\_ triangle
- 14) Classify the angles as acute, obtuse, right, straight or reflex  $176^\circ$ ,  $209^\circ$ ,  $90^\circ$ ,  $32^\circ$ ,  $180^\circ$
- 15) In a triangle find the third angle if measure of two angles are  $52^\circ$ ,  $70^\circ$
- 16) A \_\_\_\_\_ is a straight line that has one end point and goes on in one direction.
- 17) Angles greater than  $180^\circ$  but less than  $360^\circ$  are called as \_\_\_\_\_ angles.
- 18) Draw angles of  $60^\circ$  and  $90^\circ$  with protractor and classify the angle.
- 19) Can two acute angles be put together to form a straight angle? Give reasons for your answer.
- 20) Identify the rays, and line segment in



### TIME

- Manav goes to school at 8:30 a.m. and comes back after 4 hours 30 minutes. At what time does he come back?
- Hardik took 2 hours 45 minutes to solve a question paper. He started at 7:30 a.m. when did he finish the question paper?
- It rains 2 hours 15 minutes on Monday and for 3 hours 36 minutes on Tuesday. For how many hours did it rain in two days?
- Juhi left her home at 8:30 a.m. she came back at 2:15 p.m. how long was she away from home?
- Find the interval between 8:30 a.m. and 1655 hours.
- An aeroplane left Chennai at 1750 hours. It reached Kolkata at 2030 hours. How long did it take to reach Kolkata?
- Rohan takes 35 minutes to read one page. How much time will he take for reading 25 pages?
- Air conditioner consumes 8 units in 8 hours 40 minutes and 16 seconds. How much time will it take to consume one unit?
- Sonia takes 3 hours 30 minutes and 20 seconds to complete 5 rounds in a playground. How much time will she take to complete 1 round?
- Mohan runs his bicycle at a uniform speed of 5 km / hr. how much time will he take to cover 20 km?

### TEMPERATURE

- The temperature is the measure of \_\_\_\_\_ or \_\_\_\_\_ of a body.
- A doctor uses a \_\_\_\_\_ thermometer to measure the temperature.
- Celsius and Fahrenheit are the two \_\_\_\_\_ used in a thermometer.
- $212^\circ\text{F}$  is the \_\_\_\_\_ point of water in the Fahrenheit Scale.
- The \_\_\_\_\_ scale is used in a clinical thermometer.
- $0^\circ\text{C} = \text{_____}^\circ\text{F}$

- 7 Convert the following temperatures into the other scale.
  - a)  $70^{\circ}\text{C}$
  - b)  $104^{\circ}\text{F}$
  - c)  $59^{\circ}\text{F}$
  - d)  $15^{\circ}\text{C}$
- 8 The temperature of an object is found to be  $167^{\circ}\text{F}$  what is its temperature in  $^{\circ}\text{C}$ ?
- 9 The maximum temperature on a day is  $35^{\circ}\text{C}$  and the minimum temperature is  $25^{\circ}\text{C}$ . What is the difference of these temperature in Fahrenheit scale?
- 10 The temperature of an object is  $36^{\circ}\text{C}$  and the temperature of another object is  $36^{\circ}\text{F}$ . Which one is hotter?
- 11 The body temperature of a patient is  $5.4^{\circ}\text{F}$  above the normal temperature. What is his body temperature in  $^{\circ}\text{C}$ ?

### PERCENTAGE

- 1) Convert into decimal fractions
  - a) 4.75%   b) 0.006 %
- 2) Which is greater
  - a)  $\frac{7}{10}$  or 7 %   b)  $\frac{488}{100}$  or 48.8 %
- 3) Find 40 % of 450 grams
- 4) Convert into percentages
  - a) 0.07   b) 1.5
- 5) Convert following percentages into fractions of lowest terms
  - a) 350 %   b)  $15\frac{1}{5}$    c) 6.45 %
- 6) Find 5 % of 2 h 20 min
- 7) What percent is 84 m of 8.4 km ?
- 8) Abhay scored 350 out of 500 and Vineet scored 622 out of 700 in their tests. Whose performance was better ?
- 9) The money spent on repairs of a bike was 4 % of its value. If the repair cost was Rs 2500 , find the cost of the bike ?
- 10) In a school there are 1,750 students. If there are 52 % boys , find (i)The number of girl students and (ii) percentage of girl students ?
- 11) Mr. Narayan saves 20% of his salary. If he receives Rs14500 per month as his salary. Find his monthly expenditure.
- 12) if 15% of the workers in a factory are females and the number of male workers is 272. Find the total number of workers in the factory.
- 13) An ore contains 12% copper, how many kilograms of the ore are required to get 60 kg of copper .
- 14) After deducting a commission of 5%, a moped cost Rs 15200. What is the gross value?
- 15) in an examination 72% of the total examinee passed. If the number of failures is 392, find the total number of examinee.

### PROFIT & LOSS

1. A tricycle was purchased for Rs 1120 and sold for Rs 1260. Find the gain and gain %
2. If the cost price of 6 pencils are equal to the selling price of 5 pencils. Find the gain percent.
3. Find the selling price of a table whose cost price is Rs 3300 and sold at a loss of 10%
4. By selling a chair for Rs 1440, a trader gains 20%. Find the cost price of the chair.
5. An electrician sells a room heater for Rs 3220 gaining  $\frac{1}{6}$  of its cost price. Find his gain percent.
6. An almirah was bought for Rs 14360 and Rs 240 was spent for transportation at what price should it be sold to gain of 15%.
7. Find the cost price when selling price is Rs 924 and gain 10%
8. Find the selling price when cost price is Rs 1540 and loss 4%
9. Find the gain or loss percent when cost price is Rs 1650 and selling price is Rs 1452.

### AVERAGE

1. In a car rally, drivers travelled 205 km on Mon, 340 km on Tue, 125 km on Wed, and 280 km on Thu and 100 km on Fri. What is the average distance drivers traveled from Monday to Friday?
2. The marks obtained by Sunil in 6 subjects is 646. Find his average marks.
3. Find average of first 5 composite numbers.
4. Find average of first 5 prime numbers.
5. Find the average of 1 hour 25 minutes, 2 hours 40 minutes, 3 hours 35 minutes and 4 hours.
6. The total sales in a toy shop for a week are Rs 8575.00. What is the average sale per day?
7. The temperature of a city during a week was  $15^{\circ}\text{C}$ ,  $16^{\circ}\text{C}$ ,  $14^{\circ}\text{C}$ ,  $18^{\circ}\text{C}$ ,  $14^{\circ}\text{C}$ ,  $19^{\circ}\text{C}$  and  $13^{\circ}\text{C}$ . What was the average daily temperature of the town for the week?
8. Which is more, the average of the 4 even natural numbers from 6 to 13 or the average of the 4 odd natural numbers from 6 to 13?
9. Sachin scored 65, 54, 96, 82 and 78 marks in 5 subjects. What was the average marks per subject?
10. The runs scored by Rohit in a T 20 championship are 15, 63, 0, 39, 140, 35, 80 runs. Find his average if a) he completed all innings b) if he was once not out.
10. The average height of a family of six members is 162 cm. If the heights of five family members are 154 cm, 156 cm, 160 cm, 159 cm and 158 cm, find the height of sixth family member?

### AREA and PERIMETER

1) Fill the blanks

a)  $1\text{km}^2 = \underline{\hspace{2cm}} \text{m}^2$

b)  $1\text{m}^2 = \underline{\hspace{2cm}} \text{cm}^2$

c) Perimeter of a rectangle =  $2 \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

d) Area of a rectangle = ( \_\_\_\_\_ x \_\_\_\_\_ )

e) Area of a square = side x \_\_\_\_\_

f) Placing a shape repeatedly over a surface of a rectilinear figure to cover the figure is called \_\_\_\_\_.

2) The perimeter of a square is 86.4 cm. Find the its area?

3) A rectangular field is of length 110m and breadth 30m. Find the length of wire needed to fence it ? Also find the total cost of wire if each each metre of wire costs Rs 20?

4) Find the area of a square playground if its perimeter is 84m ?

5) The length and breadth of the floor of a room is 25m and 5 m respectively. How many square tiles of side 50 cm will be needed to cover it ?

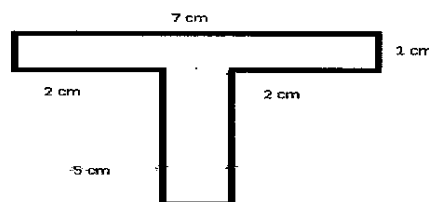
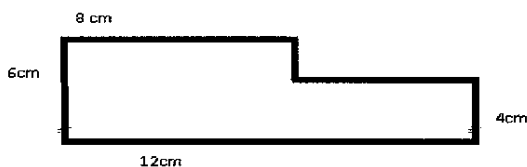
6) Find the breadth of a field whose area is  $1485 \text{ m}^2$  and length is 45m ?

7) If the total cost of flooring a room at Rs 6 per  $\text{m}^2$  is Rs 360 and the length of the room is 12 m , find its breadth?

8) Which has a larger area and perimeter a square of side 6 cm or a rectangle of length 8 cm and breadth 5 cm ? By how much ?

9) Ajay runs along the boundary of his field 4 times every day. If the length is 120m and breadth 50 m of his field, find the distance covered by Ajay every day ? Give your answer in km?

10) Find the area of the given figures :



### VOLUME

1) Volume of a cuboid = \_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_

2) The amount of space occupied by a body is called \_\_\_\_\_

3) A 3 Dimensional representation of a square is \_\_\_\_\_

4) How many 4 cm cubical boxes can be cut from a cube of side 16cm ?

5) The dimensions of a water tank is length 6m ,breadth 4m and height 3m. Find the capacity of the tank in litres.

6) Find the cost of digging a cubical pit of side 2.5m ,if the cost of digging is Rs 15 per  $\text{m}^3$  .

7) How many tiles of size 15cm x 10 cm x 3 cm will be needed to build a wall of size 9m x 5m x 45cm. Find the cost to make the wall ,if cost of each tiles is Rs 25.

8) The dimensions of a tank is length 100cm ,breadth 40cm and height 20cm. It is filled upto  $\frac{1}{3}$  of its volume with water. Find the quantity of water in the tank.

9) A volume of a shoebox is  $216 \text{ cm}^3$  .If the box is 12 cm long and 3 cm wide , then how high is it ?

10) Which has a greater capacity a cubical box with each side measuring 5 cm or a cuboid box with sides measuring 4 cm ,5 cm, and 6 cm ?


### PATTERN

1. Draw five figures and their reflected forms around a mirror line.
2. Change the numbers 57 and 113 to palindrome numbers.
3. Give a palindrome phrase.
4. \_\_, \_\_, 35, 31, 27, 23, . Find the pattern
5. Ajay bagged the plastic bottles after a recycling drive. He placed 2 bottles in the first bag, 4 bottles in the second bag, 8 bottles in the third bag, and 14 bottles in the fourth bag. If this pattern continues, how many plastic bottles will Ajay put in the seventh bag?
6. Write the reflectional symmetry of the following words a) APPLE b) AMBULANCE c) SCHOOL

### DATA HANDLING

- 1) A collection of information in the form of numerical figures is called \_\_\_\_\_
- 2) A graph in which we represent data in the form of pictures or symbols is \_\_\_\_\_
- 3) The number of cricket bats sold by a shop during Monday to Friday of a week are as given below

| Day              | Monday | Tuesday | Wednesday | Thursday | Friday |
|------------------|--------|---------|-----------|----------|--------|
| No. of bats sold | 20     | 24      | 12        | 16       | 8      |

Draw a pictograph with Scale  = 4 cricket bats .

- 4) Make a bar graph to show the following information regarding the number of children who played cricket on 5 days of the week.

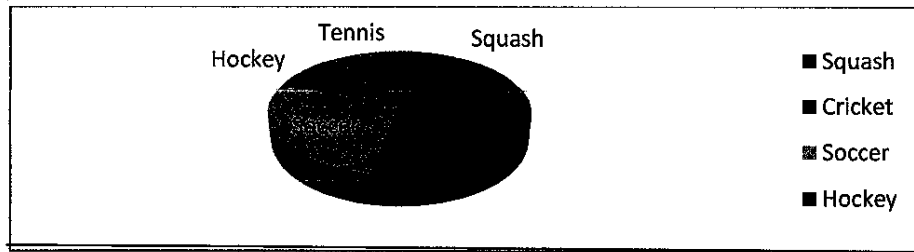
| Days of week   | Monday | Tuesday | Wednesday | Thursday | Friday |
|----------------|--------|---------|-----------|----------|--------|
| No of children | 12     | 16      | 10        | 14       | 17     |

- 5) Make a bar graph to show the following information regarding the favourite snack of 30 children in a class.

| Favourite snack | Waffers | Ice cream | Sandwiches | Apples | Cakes |
|-----------------|---------|-----------|------------|--------|-------|
| No of children  | 7       | 11        | 4          | 2      | 6     |

On basis of your graph, answer the following questions a) which is the most popular snack ? b) How many more children like wafers than sandwiches ?

6)



From the given pie chart answer the following questions

- a) Which is the most popular sport? b) Which is the least popular sport? c) Do more people enjoy soccer to squash? d) Which two sports are enjoyed by almost the same number of people?

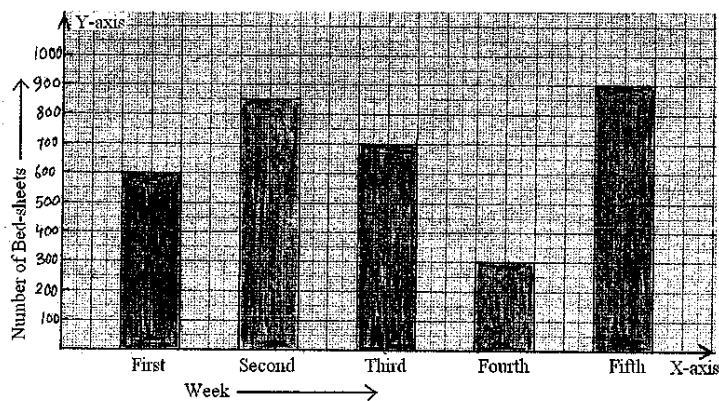
7) The following data shows the preference of 40 children for various subjects

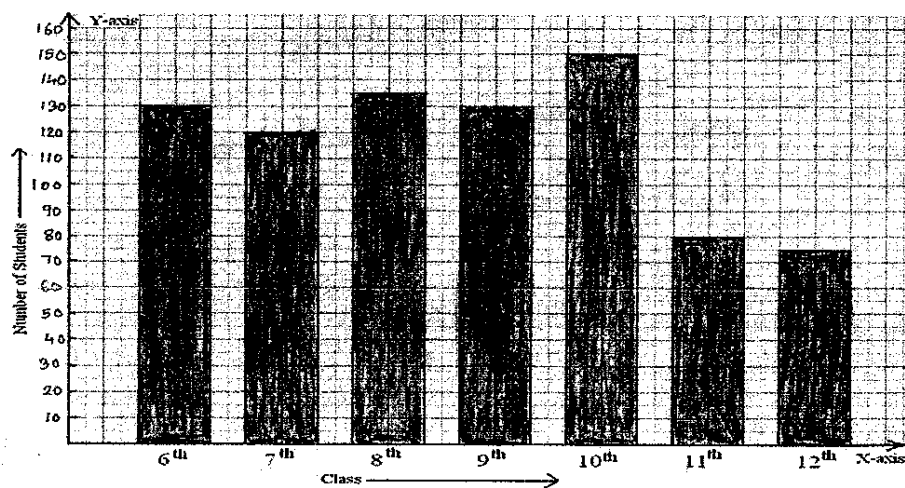
| Subjects       | MATHS | ENGLISH | SST | COMPUTER |
|----------------|-------|---------|-----|----------|
| No of children | 20    | 5       | 5   | 10       |

Draw a pie chart to represent the above data.

8. Answer the following on the basis of the bar graph

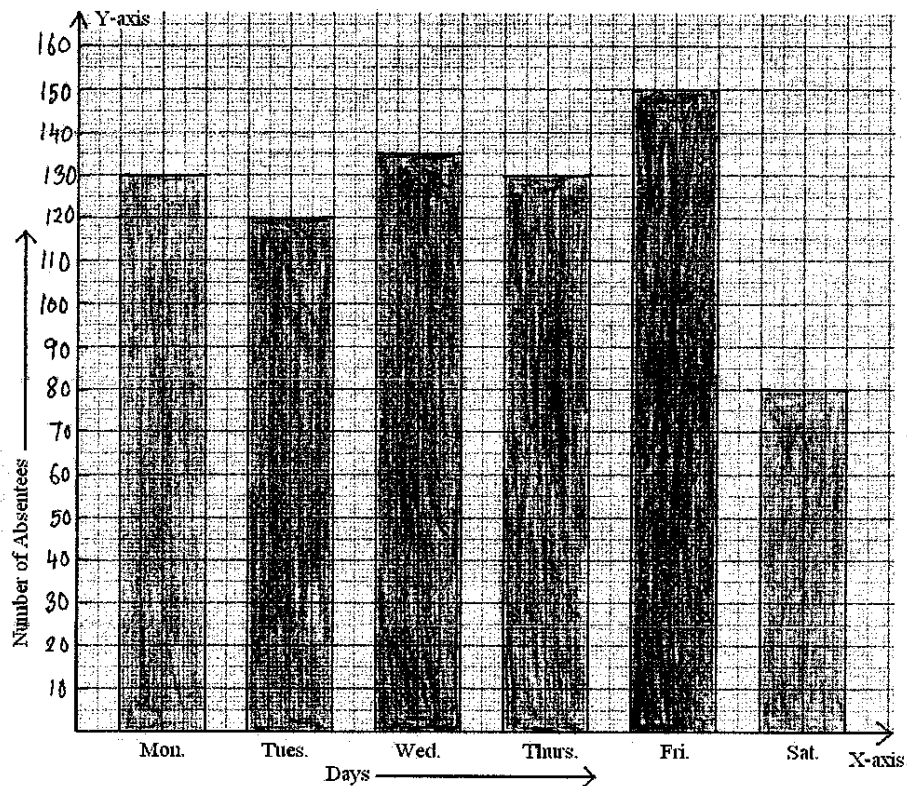
- a) How many Bed sheets were made on second week?  
 b) What are the difference of number of Bed sheets in between 2<sup>nd</sup> week and 3<sup>rd</sup> week?  
 c) If one bed sheet costs Rs550.00. what is the cost of production in 4<sup>th</sup> week?



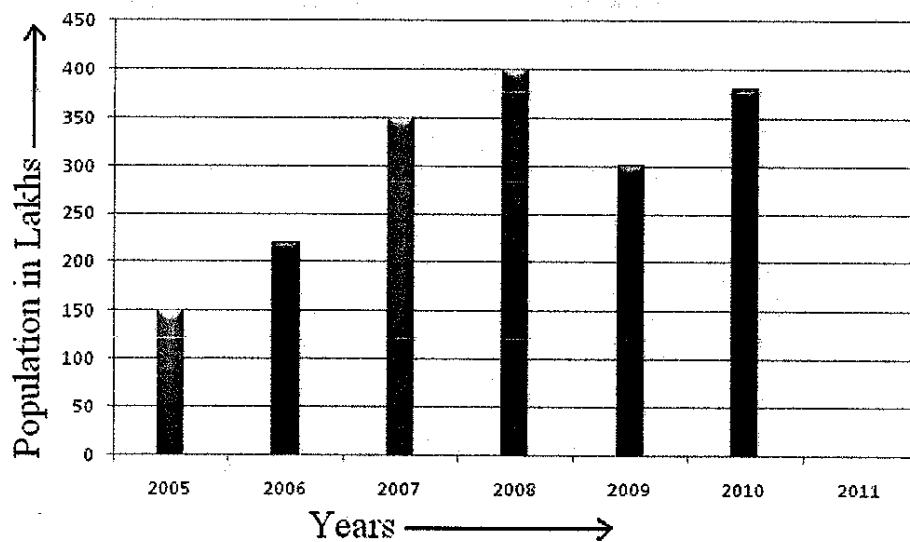


1. Answer the following on the basis of the bar graph
  - a) what is the strength of the students from 6<sup>th</sup> std to 12<sup>th</sup> std?
  - b) what are the difference of strength in std 8<sup>th</sup> and std 9<sup>th</sup> ?
  - c) in which std number of strength are equal?



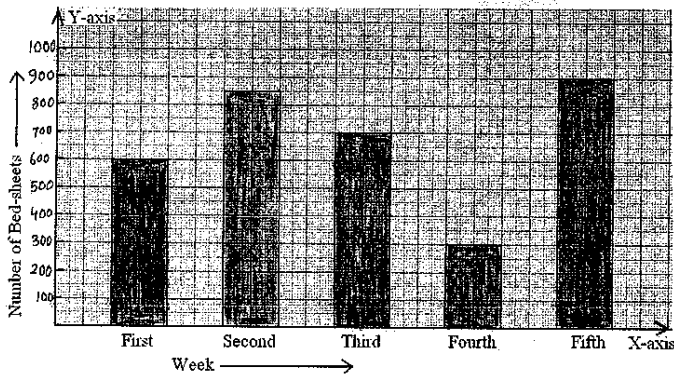


2. Answer the following on the basis of the bar graph
- Find the total number of absentees in a week.
  - Number of absentees are max in which day?
  - Number of absentees are min in which day?
  - What are the difference of absentees in between max and min?



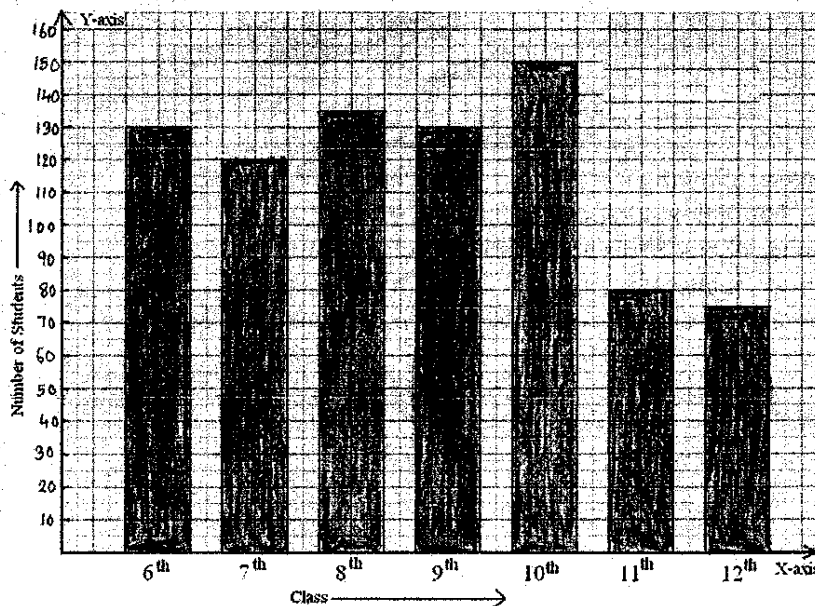
3. Answer the following on the basis of the bar graph

- what are the population in the year 2008?
- What are the difference of populations in between the year 2007 and 2009?
- Which one is the more either total population of 1<sup>st</sup> three years or total populations in last three years?

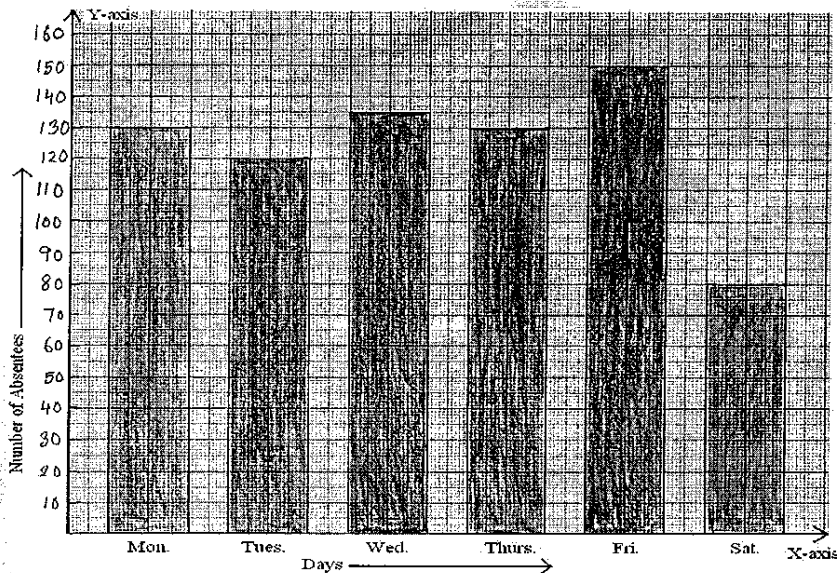


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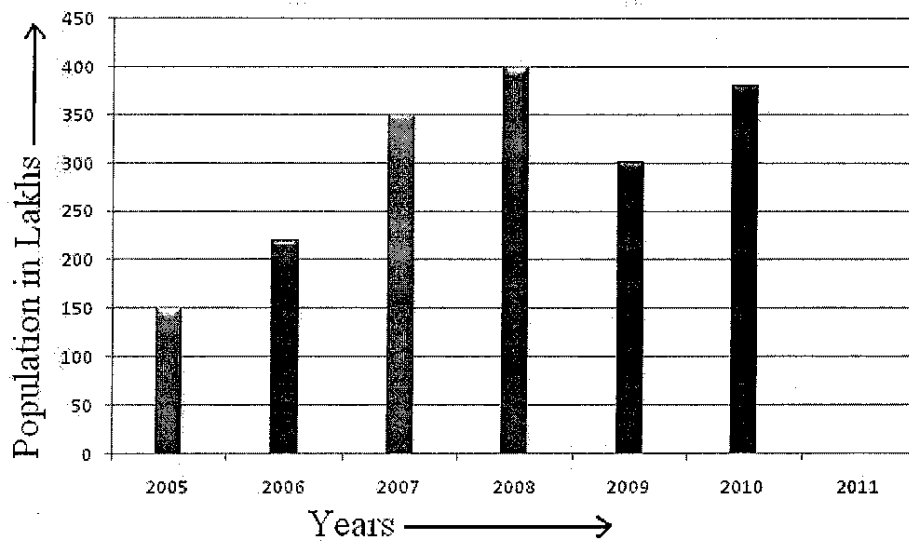
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**VALUE BASED**

1 ) Cost of one blanket is Rs 1250. Anjali wants to give blankets to a charitable hospital. She has Rs 18500. How many blankets she can give to the hospital ? Mention the value you depict from this.

2) An equilateral triangular shaped traffic police signal board marked with " DRIVE SLOW " on it is displayed on road side. If side of the board measures 20 cm. Find its perimeter ?. Which value does it develop among students ?

**SYLLABUS FOR FINAL TERM**

Chapters : measurement, basics of geometry, geometrical shapes, time, temperature, percentage, profit and loss, average, area and perimeter, volume capacity, pattern, data handling Chapter nos 9,10,11,12,13,14,15,16,18,19.