O. P. JINDAL SCHOOL, RAIGARH (CG) 496 001
Phone: 07762-227042, 227293, 227001 (Extn. 49801, 49802, 49804, 49806); Fax: 07762-262613; website: www.opjsrgh.in; e-mail:opjsraigarh@jspl.com

WORK SHEET
SECOND TERM
SUBJECT- MATHEMATICS
CLASS- VI

CHAPTER- 8 (DECIMALS)

Q.1 Write as decimals:

i) Three ones and 2-tenths ii) Sixty and 3-tenths iii) Nineteen and 9-tenths
iv) One hundred six and 5-tenths

Q.2. Write each of the following as decimals:

i) $\frac{6}{10}$ ii) 300+50+3+ $\frac{1}{10} + \frac{3}{10}$ iii) $6\frac{2}{5}$

Q.3. Express as fraction:

i) 61.2 ii) 6.4 iii) 0.05 iv) 2.4 v) 2.56

Q.4. Express the following as kilometers (km) using decimals:

i) 2m ii)16m iii)530m iv)915m v)830m

Q.5.Express as Rupees using decimals:

i) 120paise ii)450paise iii)7paise iv) 500paise v) 6 rupees 70 paise

Q.6. Express as kilogram (kg) using decimals:

i) 5g ii) 305g iii) 6325g iv)2 kg 65g v) 7 kg 750g

Q.7. Find the sum of:

i) 25.43, 6.735 and 39 ii) 0.3, 6.2 and 8.932 iii)4.003, 2.65 and 7.1

Q.8. Find the value of:

i) 8.735-6.27 ii) 99.009- 19.9 iii) 1000-27.35

Q.9. Simplify:

i)3.2 X 2.65 X 1.05 ii) 639.5 X 0.05 iii)888.88X 80.08

CHAPTER – 9 (DATA HANDLING)

Q.1 Marks scored by students (out of 50) in a General Knowledge test are as follows:

40,43,45,39,41,50,45,44,40,43,42,40,45,50,50,49,48,40,30,42,43,50,49,47,48,42,45,41

(Draw frequency table)

Q.2 Smita rolled a dice 35 times and recoded the observation as follows :

3,6,1,2,6,3,4,5,4,4,3,1,2,1,2,6,5,2,6,5,3,1,2,3,4,6,5,4,1,6,5,5,3,2,3

Make a frequency table using tally marks & answer the following

i.) Which number appeared the maximum number of times?
ii.) Which number appeared the minimum number of times?

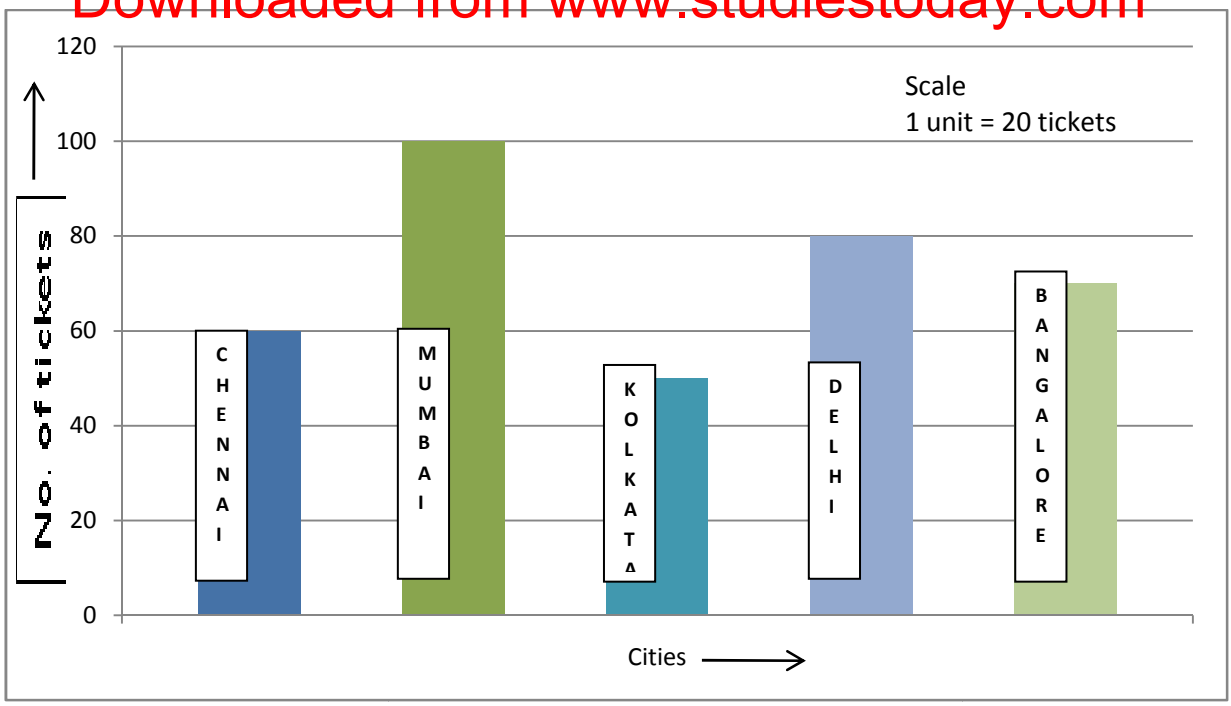
Q.3 Total number of students of a school in different years is given below:

Year	2001	2002	2003	2004	2005	2006
No of Students	450	600	850	1050	1250	1800

Prepare a pictograph using  =100 students.

Q.4 Draw a pictograph to represent the following information:

Year	2002	2003	2004	2005	2006
No of Saplings planted	70	90	120	150	180



Q 5. Read the above Bar Graph & answer the following

i) What Information does the above bar graph give?

ii) Find the total number of tickets to be sold in five cities.

iii) In which city the maximum numbers of tickets were sold?

iv) Find the difference of tickets sold in Bangalore & Kolkata.

Q.6 The following table shows the number of students of different ages participating in 'environment protection programme' on the world environment day. Draw a bar graph using the given information:

Age (in years)	8	9	10	11	12	13
Number of Students	550	350	400	375	425	575

CHAPTER – 10 (MENSURATION)

Q.1. Find the perimeter of a rectangle whose length and breadth are 20m and 16.5m respectively.

Q.2. Find the perimeter of a square whose side is 6.5cm.

Q.3. Find the cost of fencing a park of length 200m and breadth 150m at the rate of Rs.33per meter.

Q.4. How many rectangles can be drawn with perimeter as 28cm, given that the sides are positive integers in cm?

Q.5. A marble tile measures 25cm by 20cm. How many tiles will be required to cover a floor of size 5m by 4m?

Q.6. Find the perimeter of a rectangle whose area is 500 sq. cm. and breadth is 20cm.

Q.7. The area of a square field is 225 sq. m. Find the length of its side.

Q.8. The length and breadth of a rectangular park are in the ratio 4:3. Its area is 2352 sq. m. What is the length and breadth of the field?

Q.9. The sides of a triangle are in the ratio 3:4:5. If the perimeter of a the triangle is 180cm, what are its side?

CHAPTER – 11 (ALGEBRA)

Q.1 Write algebraic expression for the following:

i) 6times y to which 2 is added. ii) –C divided by 9. iii) 11 subtracted from two times x.

iv) x multiplied by itself three times. v) Three times a number s subtracted from 22.

Q.2. Write the next two numbers in each of the following number patterns:

i) 5, 11, 23, 47,-----,------ ii) 243, 81, 27,------,----- iii) 10, 30, 90, 270,----,----

iv) 16, 23, 30, 37,-----,---- v) 3, 5, 8, 12,------,------

Q.3. Which of the following are equations?

i) 6x-7> 12 ii) 2x+ 3=9 iii) $\frac{7a}{11}$ < 19 iv) $\frac{-5b}{8}$=2

v) 3a + 7<8 vi) $\frac{m}{3-5}$=9

Q.4. Solve the equations by trial & error method:

i) 3x+7=25 ii) 7y=84 iii) 3m-6=15

Q.5.If Vidushi's present age is x years:

i) What will be her age 5years from now? ii) What was her age 2 years ago?

iii) Her grandmother's age is 7times her age. What is her grandmother's age?

CHAPTER- 12 (RATIO AND PROPORTION)

Q.1. Express as ratios:

i) 2km to 6km ii) 8g to 120 g iii) 6hr to 1 day

iv) 5m to 650cm v) Rs. 3 to 600p

Q.2. In a class there are 25 boys and 35girls. Find the ratio of:

i) number of boys to the number of girls.

ii) number of girls to the total number of students.

Q.3.Write two equivalent ratio of:

i) 3:5 ii) 11: 8 iii) 6:4 iv) 2: 7

Q.4. Divide 20 pens between Samiara and Raima in the ratio 3:2.

Q.5. Determine if the following are in proportion:

i) 32, 48, 70, 210 ii) 25, 30, 40, 48 iii) 45, 60, 12, 15

Q.6. Find `a' if:

i) a: 30: : 7 : 15 ii) 12: a : : 96 : 160 iii) 72 : 32 : : a : 144

Q.7. A cricket set contains 3 balls and 2 bats. Can 24 balls and 8 bats be made into complete sets?

Q.8. 6 packets of pens cost Rs. 120. How many packets can be bought in Rs. 360?

Q.9. A worker is paid Rs. 162.50 for 5 days. What should be paid to him for 29 days.

CHAPTER 13 &14 (SYMMETRY & PRACTICAL GEOMETRY)

1.Which of the digits from 0 to 9 have lines of symmetry? Draw them.

2.Write four letters of the English alphabet that have both vertical and horizontal lines of symmetry.

3.Draw a regular polygon that has five lines of symmetry.

4.Draw a kite and draw its line of symmetry.

5.Write 'True' or 'False' for the following statements.

a. A circle has infinite number of lines of symmetry.

b. A scalene triangle has one line of symmetry.

c. A square has two lines of symmetry.

d. A kite has one line of symmetry.

e. A rhombus has four lines of symmetry.

6.Draw a semicircle of radius 5.8cm.

7.Using a protractor draw an angle of 75^0.Draw the angle bisector of this angle.

8.Draw any line segment AB and take a point P outside it. Construct a perpendicular on AB passing through P.

9.Draw a line segment AB= 9cm. Using compass find a point C on it such that AC=BC.

10.Draw a line AB and a point C on it. Draw a line CD perpendicular to AB.

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