

MANVI PUBLIC SCHOOL

Subject : Mathematics

Worksheet

Class : VI

- 1. The sides of two squares are in the ratio 5:7. Find the ratio of their areas.
- 2. Articles are bought at Rs 45 per dozen and sold at Rs 80 per score. Find the gain or loss percent.
- 3. Write the equations and find out the answers.
- (a) One ninth of a number added to one is eleven.
- (b) A number multiplied by two is 3 more than the number itself.
- (c) Two times the sum of a number x and 3 is 14. 4.
- 4. Simplify: (a) $22 \frac{1}{4} \{ 16 (8 \div 4 + 2) \}$

5. Prabal deposited Rs 5000 in a bank which pays him 5 ½ % interest. After three years he withdraws the money and buys an almirah for Rs 4700. How much money is left with him?

6. Into how many squares each of side 2cm can you divide a rectangle of length 8cm and breadth 4cm?

7. The acute angles of a right angle triangle are in the ratio 3 : 2. What is the measures of these acute angles?

8. Fill in the blanks

(a) All the radii of the circle are of _____length.

(b) If the radius of the circle is 2cm, then the length of diameter is _____.

(c) Half of the circle is called _____.

(d) ______ is the perimeter of the circle.

(e) ______ is a line segment whose end points lie on the circle and which passes through the centre of the circle.

9. In the given figure, name the following angles as acute, obtuse, right, straight or reflex. (a)∠QOY
(b)∠YOP (c)∠ROX

(d) $\angle QOX$ (e) $\angle POQ$



10. Complete each of the following, so as to make a true statement:

(a) A..... is a rectangle with a pair of adjacent sides equal.

(b) A parallelogram with a pair of adjacent sides equal is called a

(c) A quadrilateral having exactly one pair of parallel sides is called a

(d) A quadrilateral having both pairs of opposite sides parallel, is called a

(e) A parallelogram whose each angle is a right angle is called a

11. Deepak's present age is one-third his mother's present age. If the mother's age was five times his age 6 years ago, what are their present ages?

12. A worker earns Rs 18,000in15 months. How much will the work earn in seven months? Also find out, in how many months will he earn Rs 3,600?

13. Draw a circle with centre C and radius 3.4cm. Draw any chord AB. Construct the perpendicular bisector of AB and examine, if it passes through C.

14.	Annual	expenditure	of a compa	ny in t	the year	2007-29008	is given	below :
		· · · · · · ·	· · · · · ·	2			0	

Items	Expenditure (Rs in lakh)
Salaries of employees	65
Advertisement	10
Purchase of machinery	85
Electricity and water	15
Transportation	25
Other expenses	30

Prepare a pictograph of the above data using an appropriate symbol to represent Rs 10 lakh.

15. Using divisibility test, determine which of the following numbers are divisible by 2; by 3; by 4; by 5; by 6; by 8; by 9; by 10; by 11.

Number	Divisible by								
	2	3	4	5	6	8	9	10	11
128	Yes	No	Yes	No	No	Yes	No	No	No
82956									
187425									
275									
53056									
76392									
17322									