



# 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  $5\frac{1}{2}\%$  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)  $\angle QOY$   
(b)  $\angle YOP$  (c)  $\angle ROX$   
(d)  $\angle QOX$  (e)  $\angle POQ$



