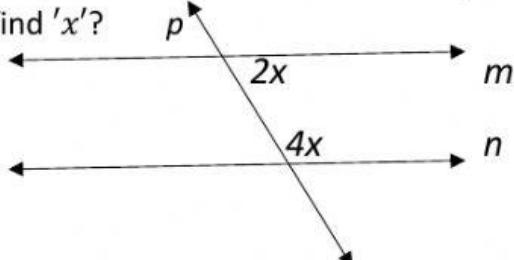


Continue from Unit test – part 1

2. In the figure given below, if line $m \parallel$ line n , and line p is a transversal, then find ' x '?



Here, line $m \parallel$ line n , and line p is a transversal

And given angles '2x' and '4x' are interior angles.

\therefore by property of interior angles,

$$2x + 4x = 180^\circ$$

$$\therefore 6x = 180^\circ$$

$$\therefore x =$$

$$\therefore x =$$

3. Find the cube of 0.03.

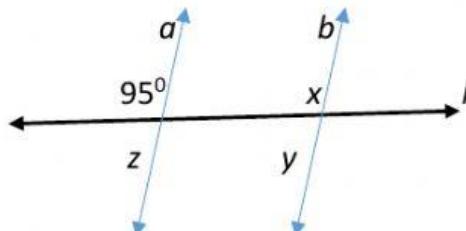
$$(0.03)^3 = \quad \text{(Multiplication form)}$$

$$(0.03)^3 = \quad \text{(Answer)}$$

Q.4 Solve the following questions.

6

1. In the figure given below, line $a \parallel$ line b , and line l is a transversal, find the measures of $\angle x$, $\angle y$ and $\angle z$ using the given information.



i) $\angle x = ?$
a) 95° b) 85° c) 100° d) 180°

ii) $\angle y = ?$
a) 95° b) 85° c) 100° d) 180°

iii) $\angle z = ?$
a) 95° b) 85° c) 100° d) 180°

2. The number $\sqrt{2}$ is shown on a number line. Steps are given to show $\sqrt{3}$ on the number line using $\sqrt{2}$. Fill in the boxes properly and complete the activity.

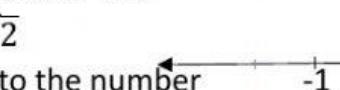
Activity :

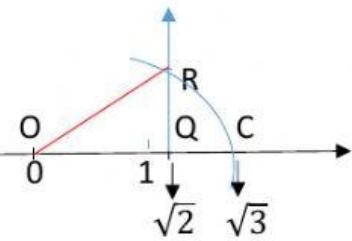
1. The point Q on the number line shows the number $\sqrt{2}$

2. A line perpendicular to the number line is drawn through the point Q. Point R is at unit distance from Q on the line.

3. Right angled ΔORQ is obtained by drawing seg OR.

4. $l(OQ) = \sqrt{2}, l(QR) = 1$
 \therefore by Pythagorus theorem,





Draw on arc with center O and radius OR. Mark the point of intersection of the line and the arc as C. The point C shows the number $\sqrt{3}$.