

APEEJAY SVRAN GLOBAL SCHOOL

TERM-I END EXAMINATION



CLASS-8

MATHEMATICS

SECTION-A

(2 x 4= 8)

1. Using suitable property find:  $\frac{2}{5} \times \frac{1}{6} + \frac{2}{3} \times \frac{9}{2} - \frac{1}{6} \times \frac{1}{2}$
2. Solve for x

$$x + 7 - \frac{8x}{3} = \frac{17}{6} - \frac{5x}{2}$$

3. The measures of two adjacent angles of a parallelogram are in the ratio 4 : 5. Find the measure of each of the angles of the parallelogram.
4. Construct Parallelogram MORE, OR = 6 cm, RE = 4.5 cm, EO = 7.5 cm

SECTION- B

(3 x 3= 9)

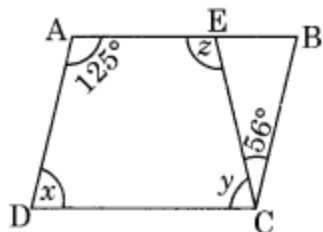
5. The difference between two positive numbers is 40 and the ratio of these integers is 1 : 3. Find the integers.
6. What is the least number that must be subtracted from 3793 so as to get a perfect square? Also, find the square root of the number so obtained.
- 7.

Simplify:  $\sqrt[3]{5 - \frac{10}{27}}$

SECTION- C

(4 x 2= 8)

8. In the given figure, ABCD is a parallelogram. Find x, y and z.



9. Construct a quadrilateral ABCD in which BC = 4 cm,  $\angle B = 60^\circ$ ,  $\angle C = 135^\circ$ , AB = 5 cm and  $\angle A = 90^\circ$ .