STATE COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING

LEARNING IMPROVEMENT PROGRAMME

ENDLINE TEST – 2024-25

Subject: Mathematics   **7ᵗʰ CLASS**   **Time: 1 Hr.**

Basic Mathematical Competencies:

I. Solve the following problems.

1.   Solve the following additions.

   (i)   427   (ii) 6407+ 739   (iii) 9157+ 4276

   + 352
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2.   Solve the following subtractions.

   (i)   857   (ii)8102− 753   (iii)5208− 3289

   − 425
   ———

3.   Solve the following multiplications.

   (i) 479   (ii) 826×17   (iii)5097× 16

   × 8
   ———

4.   Solve the following divisions.

   (i) 408÷6   (ii)876 ÷12   (iii)2926÷ 14
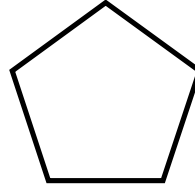
Pre - requisites:

II. Solve the following problems.

5.   A goldsmith mixes gold and copper in the ratio 8:1 to prepare an ornament. If the ornament weighs 36 gm, find the weight of gold and copper in it.

6. Rani takes $3\frac{1}{4}$ minutes to walk around the school ground. Usha takes $\frac{8}{5}$ minutes to do the same. Who takes less time and by what fraction?

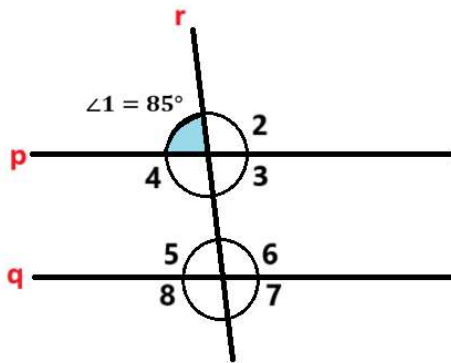7. Draw the possible number of lines of symmetry for the following.

   a)

   b)

Learning Outcomes:

III. Solve the following problems.

8. In the given figure, $p \parallel q$ and 'r' is a transversal. If $\angle 1 = 85°$ then find the measure of all other angles.

9. The base and height of the triangle are in the ratio 3:5 and its area is $120\ cm^2$. Find its base and height.

10. By what number should 5^{-3} be multiplied so that the product is 625.