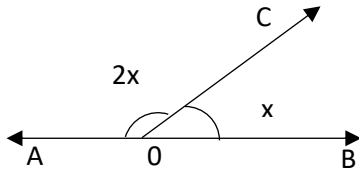
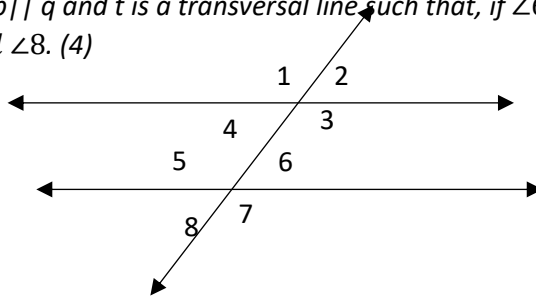


Revision Test I 2024 - 25

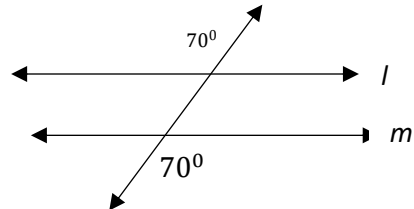
1. In the following figure, AOB is a straight line. Find x and also the measure of each angle. (2)



2. In the given below figure, $p \parallel q$ and t is a transversal line such that, if $\angle 65^\circ$ then find the measure of $\angle 2, \angle 3, \angle 4, \angle 5, \angle 6, \angle 7$ and $\angle 8$. (4)



3. In the given figure, decide whether l is parallel to m or not (1)

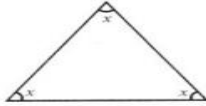


4. If Rs 75000 is divided among A, B and C in the ratio 6:5:4, then find how much is the share of each. (3)
5. Sarla scored 540 marks out of 600 in her exams. Anu scored 440 marks out of 500. Who performed better? (3)
6. A shopkeeper sold an article for Rs 300, thereby making a profit of 25%. What did the article cost him? (3)
7. Find the simple interest on Rs 5000 for 2 years at 6% per annum. Also find the amount. (4)

Revision Test II 2024 - 25

1. a) How many medians a triangle can have? (2)
b) The number of terms in $4p^2q - 3pq^2 + 5$ in the given expression.
c) What is the numerical coefficient of y^2 in the expression $2x^2y - 15xy^2 + 7y$?
d) Which type of the expression $x + y - xy$

2. Find the value of x in this figure. (1)



3. Draw a number line and represent the following rational numbers (2)

a) $\frac{4}{6}$ and $\frac{-5}{6}$

4. Find the value of expression $7a - 4b$ for $a = 3$, $b = 2$. (2)

5. Identify the terms and factors of the following expression and show the terms and factors by using tree diagram i) $5n^2 + 5n - 2$ (2)

6. The hypotenuse of a right triangle is 17 cm long. If one of the remaining two sides is 8 cm in length, then the length of the other side is (3)

7. is it possible to have a triangle with the following sides? (2)

a) 2cm, 3cm, 5cm b) 3cm, 6cm, 7cm

8. Subtract the sum of $\frac{-5}{6}$ and $\frac{-13}{5}$ from the sum $\frac{8}{3}$ and $\frac{-32}{5}$. (3)

9. a) write any two equivalent rational number of $\frac{-5}{6}$. (3)

b) Express the $\frac{-144}{72}$ in the standard form.

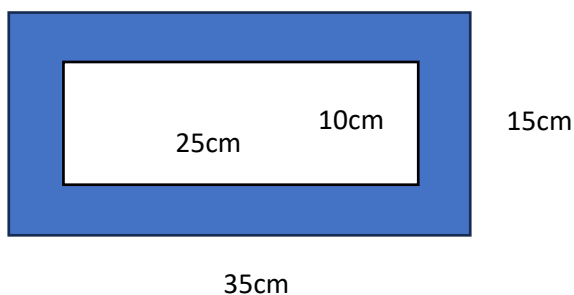
c) Insert two rational numbers between $\frac{3}{7}$ and $\frac{3}{4}$.

Revision Test IV 2024 - 25

1. Draw the net pattern for the followings. (3m)
a) cylinder b) cone c) cube
2. Write any two examples from daily life to (2m)
a) cylinder b) cuboid
3. Write down the number of edges on each of the following solid figures: (2m)
a) Cube b) triangular pyramid c) Sphere d) cone
4. Draw an isometric sketch for the cuboid of $5\text{cm} \times 3\text{cm} \times 2\text{cm}$. (4m)
5. Draw any two figures which have the order of rotational symmetry more than 2. (2m)
6. a) Draw a figure having an infinite number of lines of symmetry. (3m)
b) Draw a figure having no lines of symmetry.
c) Draw a figure having one lines of symmetry.
7. How many lines of symmetry do the following have:
a) a parallelogram b) an equilateral triangle c) a semicircle (3m)

Revision Test III 2024 – 25

- Express the following numbers in standard form.
a) 54000000 b) 50000000000000
- Find the area of a parallelogram, whose base is 7cm and height is 8cm.
- Find the height of a triangle whose area is 400cm^2 and base is 20cm.
- Express the followings in exponential form.
a) $\frac{3}{4} \times \frac{3}{4} \times \frac{3}{4}$ b) $-4 \times -4 \times -4 \times -4 \times -4$
- Simplify and find the value of the followings.
a) 4^4 b) -8^2 c) $((3)^4)^2$ d) $\frac{4^6}{4^4}$ e) $5^4 \times 3^4$ f) 4^0
- Find the area of the shaded region.



- Write the following numbers as a power of 3.
a) 243 b) 729
- Find the area of the shaded region.
R1 (inner circle radius) = 4 cm, R2 (Outer circle) = 10 cm, $\pi = 3.14$.

