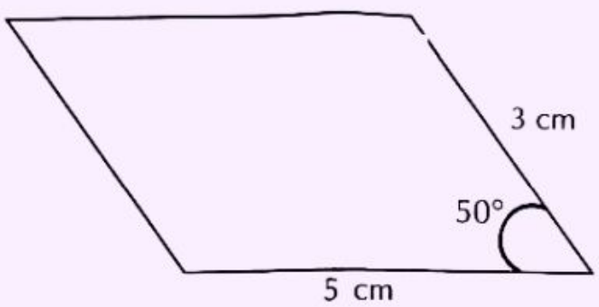
SAMAGRA SHIKSHA KERALA
FIRST TERM EVALUATION 2024-2025
Mathematics

Standard: VII **Time: 2 Hrs**

- 15 minutes is given as cool-off time.
- Read the questions carefully during this time.
- Attempt **any six** activities from the activities given.

Activity 1



a) Draw a parallelogram with the given measures.

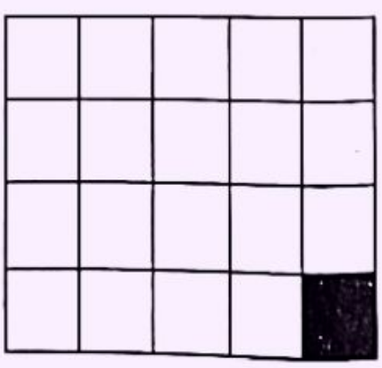
b) What is the measurement of the largest angle of the parallelogram?

c) Which one of the following is the measures of the four angles of a parallelogram?

A) 40°, 140°, 50°, 30° B) 50°, 140°, 50°, 140°

C) 70°, 110°, 70°, 110° D) 50°, 130°, 60°, 120°

Activity 2



This figure is drawn to find the product of two fractions. The coloured part indicates the product.

a) Which fraction represents the product?

b) The product of which two fractions is found from the picture?

c) Draw a picture to indicate $\frac{1}{4}\times\frac{1}{3}$. Write the product.

d) Which of the following has product greater than 1?

A) $2\times\frac{1}{3}$ B) $4\times\frac{1}{3}$ C) $3\times\frac{1}{3}$ D) $\frac{1}{4}\times 2$

Activity 3

Anu is 8 years old, Asha is 12 years old and their mother is 40 years old.

a) How many times of Anu's age is mother's age?

b) What part of mother's age is Anu's age?

c) How many times of Anu's age is Asha's age?

d) Father's age is $3\frac{1}{2}$ times of Asha's age. Then, what part of father's age is Asha's age?

e) $\frac{3}{5}$ of a number is 60. Which of the following is the number?

A) $60 \times \frac{3}{5}$ B) $60 \div \frac{5}{3}$ C) $\frac{3}{5} \div 60$ D) $60 \times \frac{5}{3}$

Activity 4

a) In triangle XYZ, YZ = 6 cm, $\angle Y = 65°$, $\angle Z = 55°$. Draw the triangle.

b) Write the longest side of the triangle without measuring it.

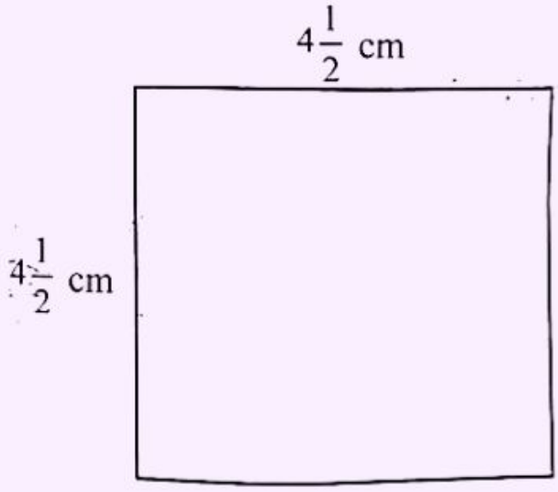
c) What would be the measures of the angles of a triangle given below?

A) 110°, 40°, 40° B) 80°, 50°, 50°

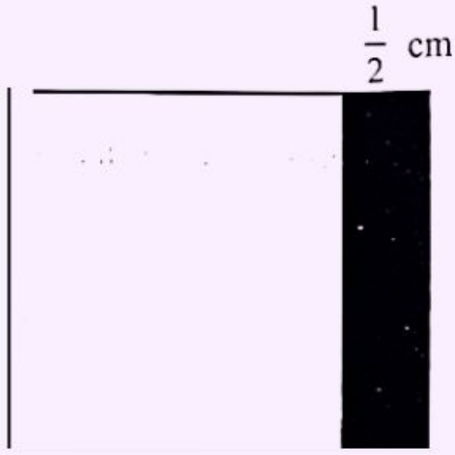
C) 60°, 40°, 70° D) 100°, 50°, 40°

Activity 5

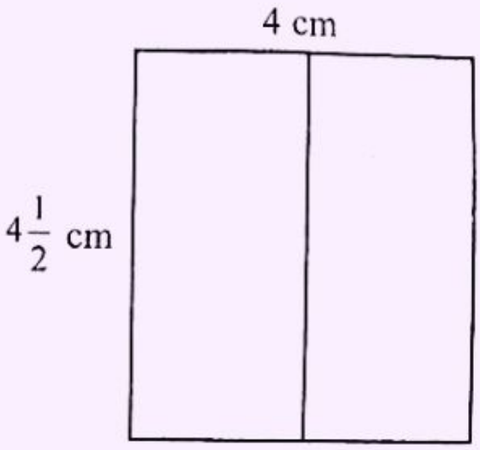
a) What is the area of a square of side $4\frac{1}{2}$ centimetres?



b) A rectangle of width $\frac{1}{2}$ centimetre is cut from one side of the square. Calculate the area of the cut portion.



c) The remaining part is cut into two rectangles of the same size. Among these, what is the area of a rectangle?



d) Which is equal to $3\frac{1}{2}\times 5$?

A) 5 times half of 7

B) 3 times half of 5

C) $\frac{1}{5}$ part of $3\frac{1}{2}$

D) 5 times half of 3.

Activity 6

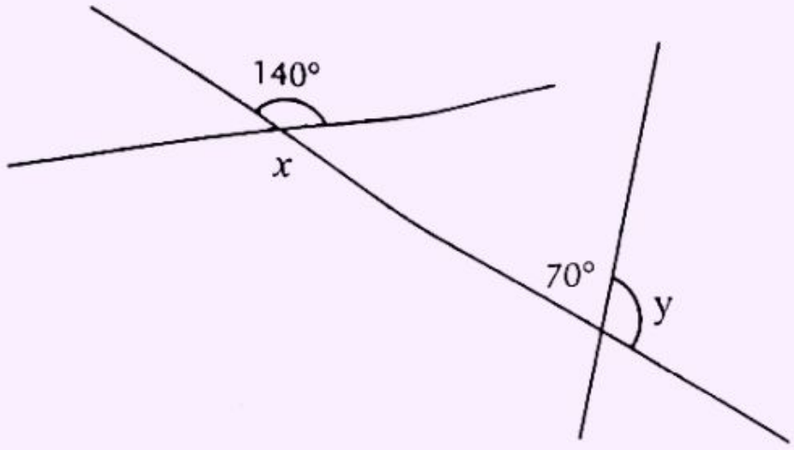
a) If a 3 metres ribbon is cut into $\frac{3}{4}$ m pieces, how many pieces will you get?

b) What is the length of a rectangle whose area is $23\frac{1}{3}$ square metres and width $3\frac{1}{3}$ metres.

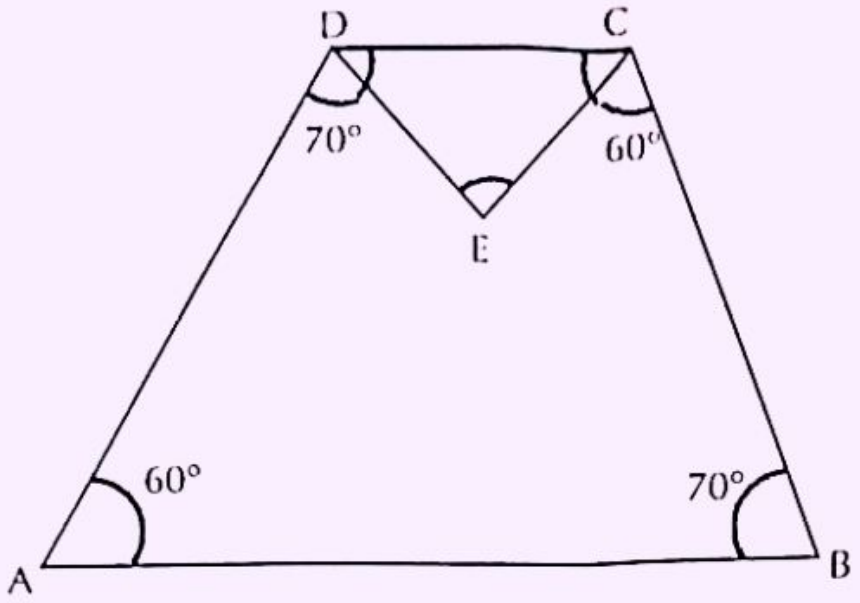
c) Which of the following is not equal to one?

A) $5\times\frac{1}{5}$ B) $1\frac{1}{2}\times\frac{2}{3}$ C) $\frac{1}{3}\times\frac{3}{5}$ D) $\frac{3}{5}\times\frac{5}{3}$

Activity 7

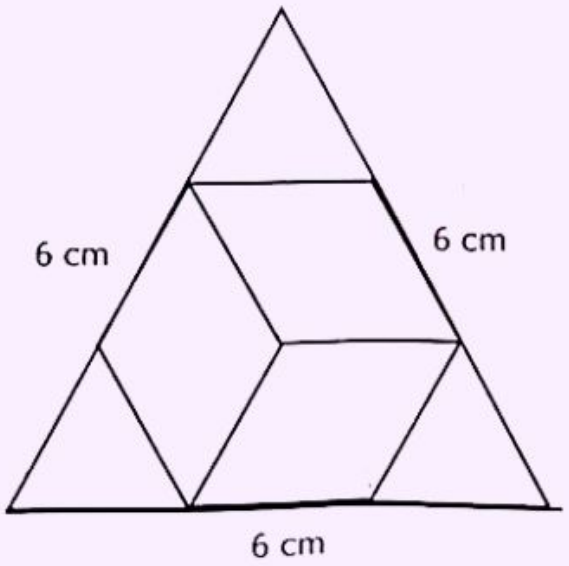


a) Write the measures of the angles x and y given in the figure.



b) The lines on the top and bottom in the figure are parallel. Find the measures of the three angles of the triangle.

Activity 8



a) Draw this figure with the same measurements. Make it beautiful by shading appropriately.