



INDIA INTERNATIONAL PUBLIC SCHOOL

SESSION : 2023 - 24



**CLASS-VIII**

CLASS:- VIII

SUBJECT: ENGLISH

Q.1 Write an article on the Importance of Democracy and the Power To Vote in 200 – 250 Words.

## Q.2 News Paper Activity and Writing

Read any one article of ‘**The Speaking Tree**’ from Times of India and paste its cut – out. Write a paragraph of 100 Words about its expressing your views. Give your own title suitable to the paragraph

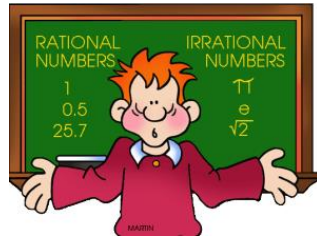
Q.3 Read the tenses and write 10 examples of each in your Notebook.

**SUBJECT: HINDI**

- अवकाश में किन्हीं सात दिनों का कोई भी हिंदी समाचार पत्र पढ़िए तथा उसमें से कोई भी कहानी अथवा लेख प्रस्तुत कर उनमें से संज्ञा, सर्वनाम, विशेषण और मुहावरे छाँटिए।
- प्राकृतिक सौंदर्य की अनुभूति करते हुए पर्यावरण संरक्षण हेतु चित्र सहित स्वरचित कविता प्रस्तुत कीजिए।

**SUBJECT: MATHS**

**TOPIC-RATIONAL NUMBERS**



1. Which of the rational numbers  $\frac{4}{9}$ ,  $-\frac{5}{6}$ ,  $-\frac{7}{-12}$  and  $\frac{11}{-24}$  is the smallest?  
(a)  $\frac{4}{9}$  (b)  $-\frac{5}{6}$  (c)  $-\frac{7}{-12}$  (d)  $\frac{11}{-24}$
2. Which of the rational numbers  $-\frac{4}{9}$ ,  $\frac{5}{-12}$ ,  $\frac{7}{-18}$ ,  $\frac{2}{-3}$  is the greatest?  
(a)  $\frac{7}{-18}$  (b)  $-\frac{4}{9}$  (c)  $\frac{2}{-3}$  (d)  $\frac{5}{-12}$
3. Simplify:  $\frac{2}{3} + -\frac{4}{5} + \frac{7}{15} + -\frac{11}{20}$   
(a)  $-\frac{1}{5}$  (b)  $-\frac{13}{60}$  (c)  $-\frac{4}{15}$  (d)  $-\frac{7}{30}$
4. The reciprocal of a negative rational number \_\_\_\_\_  
(a) is a positive rational number  
(b) is a negative rational number  
(c) can be either a positive or a negative rational number  
(d) does not exist

**ANSWER if you're Genius**

If

$$2 + 3 = 13$$

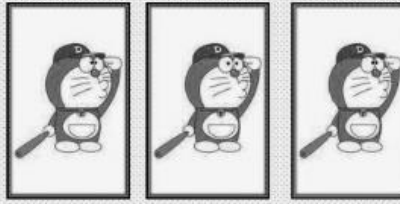
$$3 + 4 = 25$$

$$4 + 5 = 41$$

Then

$$5 + 6 = ?$$

**Which one is Different ?**



1

2

3



**SOLVE**

1. Represent  $\frac{-5}{4}$  and  $\frac{5}{4}$  on same number line. Are these points equidistant from the origin?
2. Rohit bought  $10\frac{7}{8}$  Kg atta,  $3\frac{1}{2}$  kg vegetables and carried them on his head. How much weight did he carry on his head?
3. Verify :  $(\frac{-2}{3}) + (\frac{-4}{7} + \frac{1}{14}) = (\frac{-2}{3} + \frac{-4}{7}) + (\frac{1}{14})$
4. Verify that  $(x \times y) \times z = x \times (y \times z)$ , if  $x = \frac{4}{5}$ ,  $y = \frac{-3}{6}$ ,  $z = \frac{-2}{15}$

HOLIDAY HOMEWORK FOR CLASS 8<sup>th</sup>

SUBJECT :- MATHEMATICS

SESSION :- 2023-2024

①. Represent each of the following numbers on the number line:

(i)  $\frac{1}{3}$       (ii)  $1\frac{3}{4}$       (iii)  $2\frac{2}{5}$

(iv)  $5\frac{5}{7}$       (v)  $-4\frac{2}{3}$       (vi)  $-2\frac{7}{8}$

②. Amit earns ₹ 32000 per month. He spends  $\frac{1}{4}$  of his income on food;  $\frac{3}{10}$  on the remainder on house rent and  $\frac{5}{21}$  of the remainder on the education of children. How much money is still left with him?

③. If  $\frac{3}{5}$  of a number exceeds it by  $\frac{2}{7}$  by 44, find the number?

④. Name the property of multiplication shown by each of the following statements:

(i)  $-\frac{8}{15} \times 1 = -\frac{8}{15}$

(ii)  $\left(-\frac{2}{3} \times \frac{7}{8}\right) \times -\frac{5}{7} = -\frac{2}{3} \times \left(\frac{7}{8} \times -\frac{5}{7}\right)$

(iii)  $-\frac{12}{8} \times \frac{3}{4} = \frac{3}{4} \times -\frac{12}{8}$

(iv)  $\frac{2}{5} \times \left(-\frac{4}{5} + \frac{3}{10}\right) = \left(\frac{2}{5} \times -\frac{4}{5}\right) + \left(\frac{2}{5} \times \frac{3}{10}\right)$

5. solve

$$(i) \frac{2-7x}{1-5x} = \frac{3+7x}{4+5x}$$

$$(ii) \frac{15(2-y) - 5(y+6)}{1-3y} = 10$$

$$(iii) 9x + 5 = 4(x-2) + 8$$

$$(iv) 3(5x-7) - 2(9x-11) = 4(8x-13) - 17$$

6. Two numbers are in the ratio of ~~3:5~~ 3:5. If each is increased by 10, the ratio between the new numbers so formed is 5:7. Find the original numbers.

7. Write down the definition of the following (with suitable example)

(i) concave polygon

(ii) convex polygon

(iii) regular polygon

(iv) irregular polygon

(v) linear pair

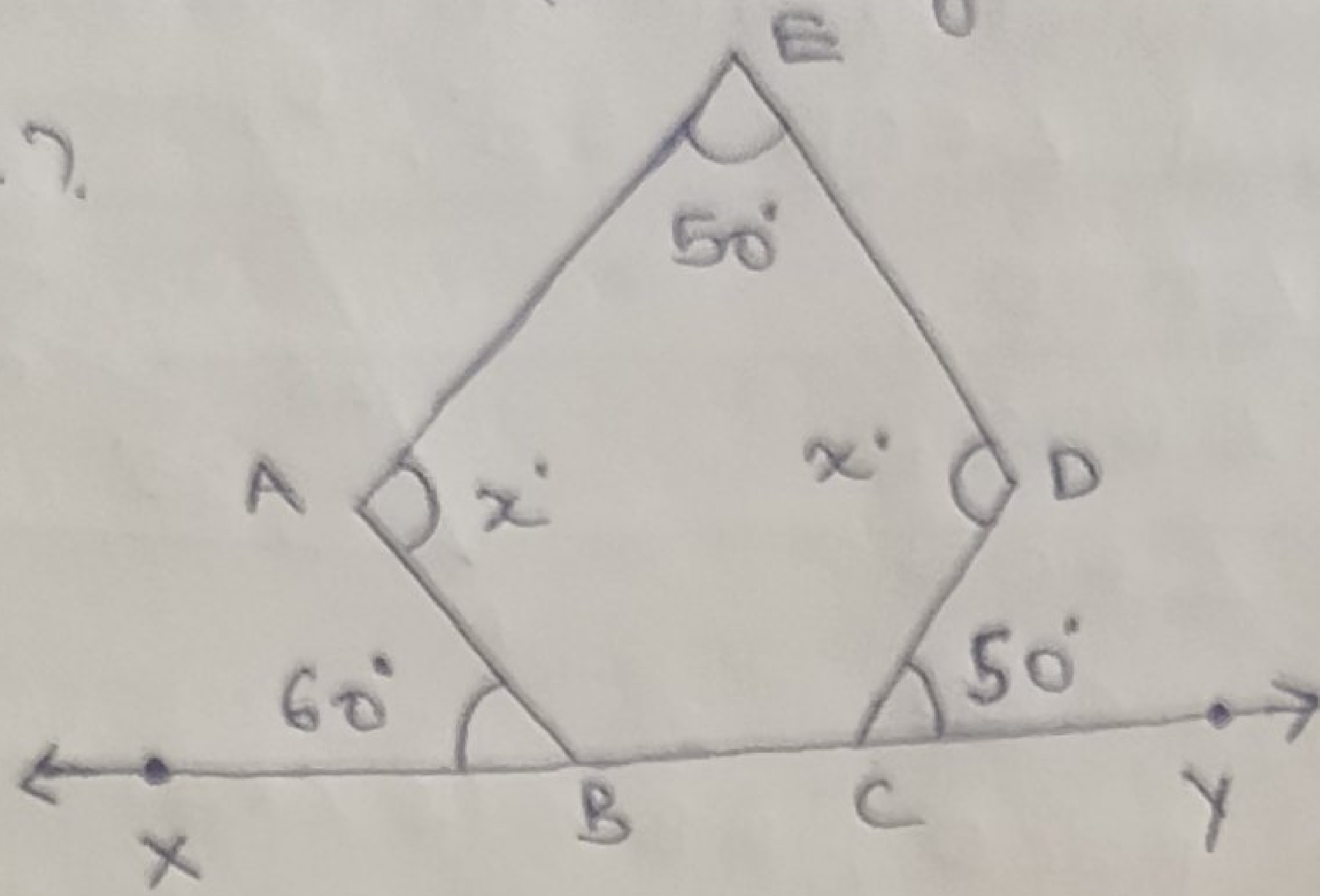
8. Find the measure of each exterior angle of a regular polygon of:

(i) 8 sides (ii) 9 sides (iii) 12 sides

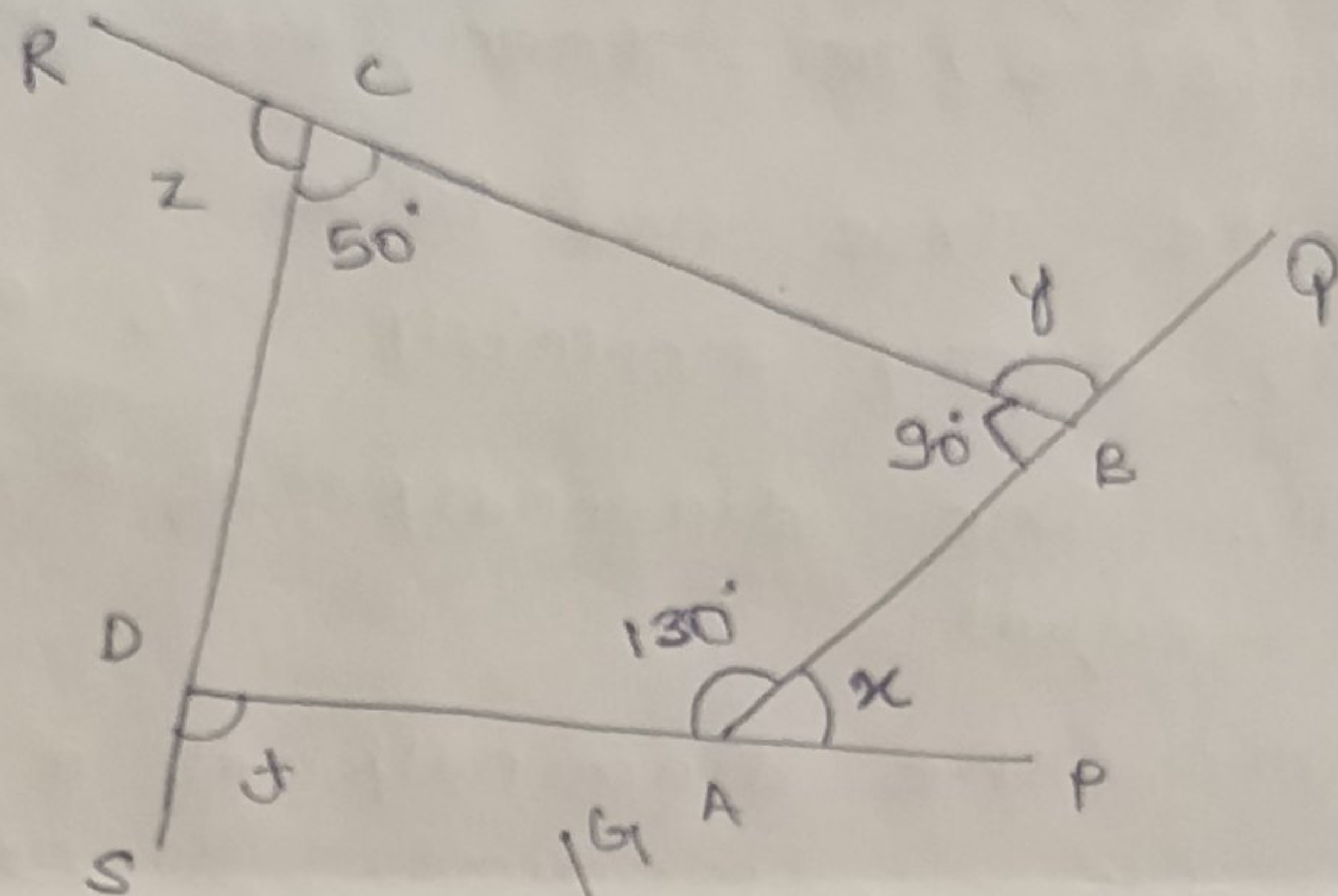
9. Find the number of sides of a regular polygon whose each exterior angle measures  $45^\circ$ . Find the measure of each interior angle also.

10. Find the angle measure  $x$  in each of the following:

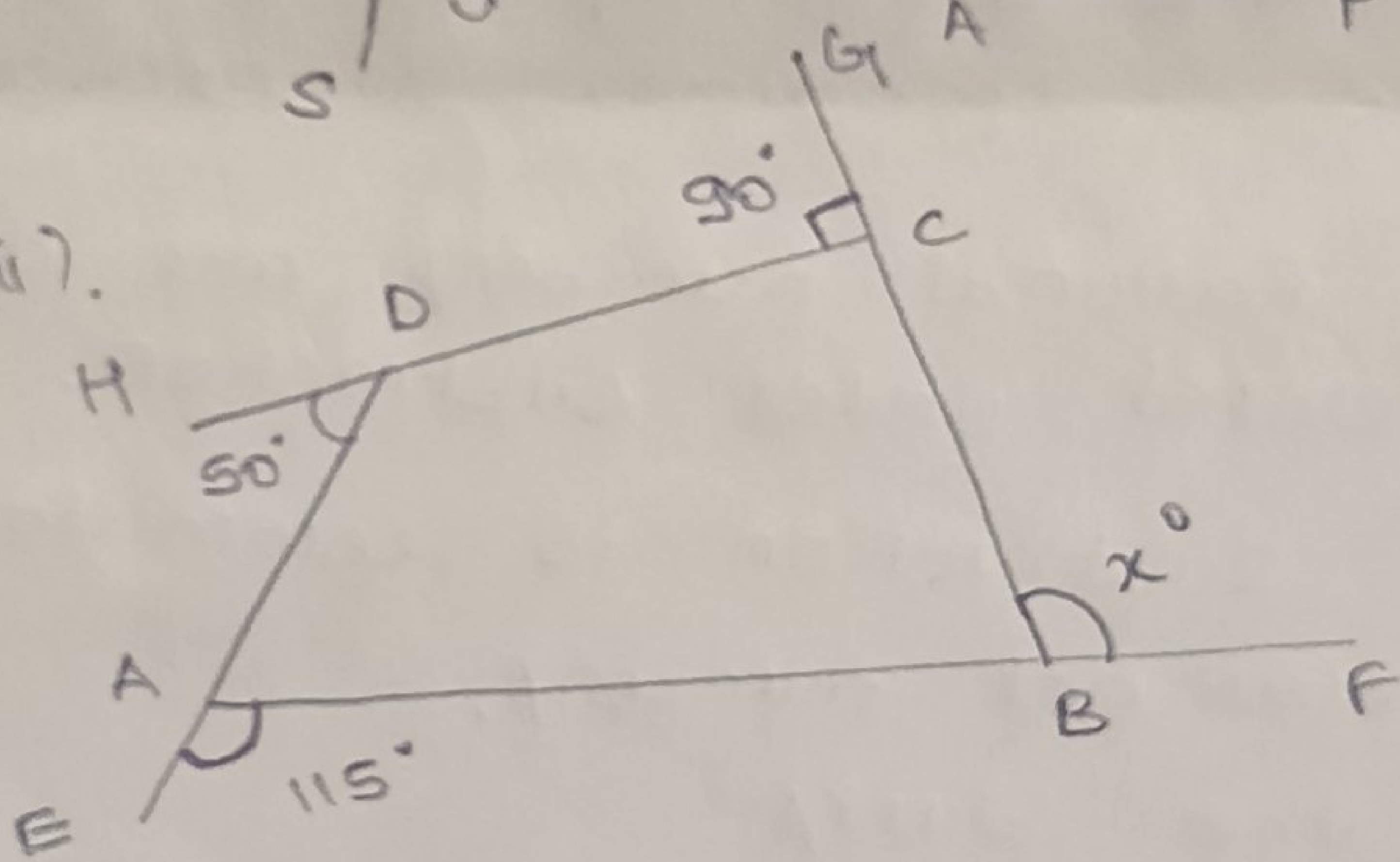
(i).



(ii).



(iii).

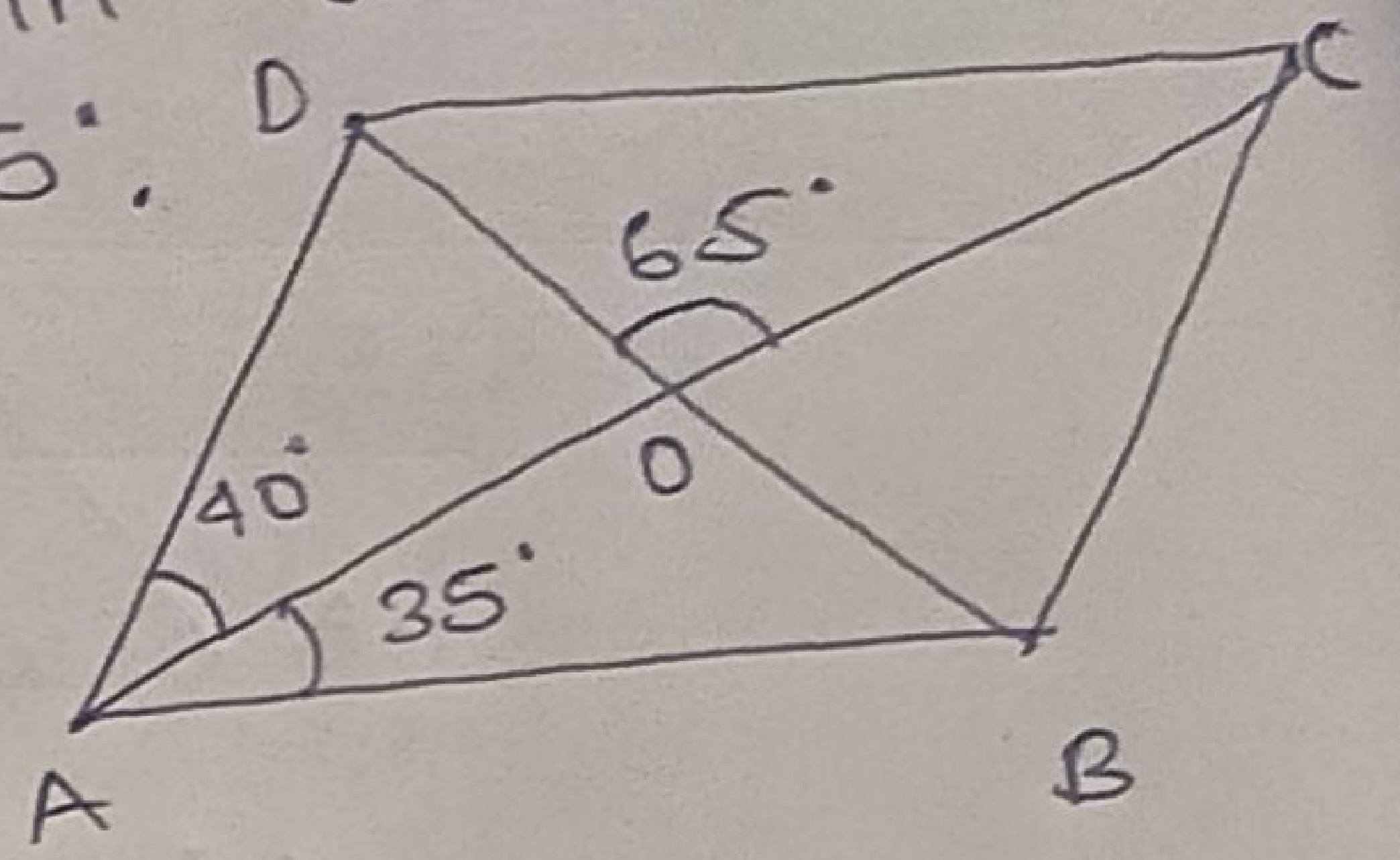


11. The interior angle of a regular polygon exceeds its exterior angle  $108^\circ$ . How many sides does the polygon have?

12. The angles of a quadrilateral are in the ratio  $2:3:5:8$ . Find the angles.

13. Two adjacent angles of a parallelogram are in the ratio  $2:3$ . Find the measure of each of its angles.

14. ABCD is a parallelogram in which  $\angle CAD = 40^\circ$ ,  $\angle BAC = 35^\circ$  and  $\angle COD = 65^\circ$ .



- Find (i)  $\angle ABD$ ,  
 (ii)  $\angle BDC$ ,  
 (iii)  $\angle ACB$   
 and (iv)  $\angle CBD$

15. In a square ABCD,  $AB = (2x+3)$  cm and  $BC = (3x-5)$  cm. Then, the value of  $x$  is?

16. Write True and False

(i). Every rhombus is a parallelogram.

(ii). The diagonals of a rhombus are equal

(iii). The diagonals of a rectangle are perpendicular to each other.

(iv). Rational numbers are always closed under subtraction.

(v). Subtraction is commutative on rational numbers.

17. Fill in the blanks

(i). The sum of the angles of a quadrilateral is \_\_\_\_\_

(ii). A hexagon has \_\_\_\_\_ sides

(iii). The sum of exterior angles of any polygon is \_\_\_\_\_

(iv). The number that is the reciprocal of itself is \_\_\_\_\_

(v).  $-\frac{8}{9} \times (\text{---}) = -\frac{2}{3}$



## Activity Based Questions

18. Create a real life 3-D model or structure with the help of different shapes (curve, simple curve, simple closed curve, regular and irregular polygon). The number shapes should be atleast 5 in number. Using a particular shape more than once is allowed but it will be counted as one. You are required to describe the properties of the shapes used. [This question is only for those students who did not submit the project in the class]

19. Make the following by paper folding and cutting (mention the measure of sides and angles)

- (i) a kite
- (ii) a rhombus
- (iii) a parallelogram
- (iv) a trapezium.

20. A circle of some radius ' $r$ ' represents a variable ' $x$ '. Using paper folding and cutting, describe what will represent  $x/2$ ,  $x/4$ ;  $2x$  and  $x/8$ ?

## SUBJECT: SCIENCE

**Q1.** Prepare a science book of your own design and its cover page. You can use scrap book. Write chemical equation (3 each) for the following reactions:

- Metals with oxygen
- Non-metals with oxygen
- Metals with water
- Metals with Acid
- Metals with bases
- Neutralization Reaction

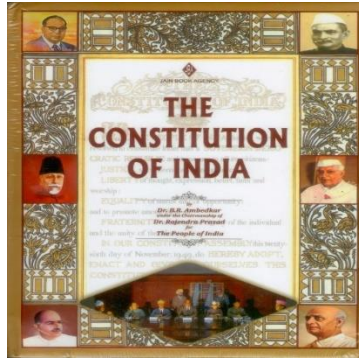


**Q2.** Learn the first 20 elements along with their electronic configuration, symbols, and valency in a scrap book. Using your own creativity make your scrap book colourful and interactive.

LINK:- <https://www.chemicool.com/m/>

## SUBJECT: SOCIAL SCIENCE

# THE INDIAN CONSTITUTION



- Create ground rules for your class/school and or list of Rights of each student. You may brainstorm or discuss with your friends about the kind of rules and regulations that you would like to establish for each student as well as for your class to maintain order and fairness. You may decide on various aspects like how the monitor is to be selected, duties of the monitor and students, polite conversations, active healthy discussions, switching off fans and lights in the classrooms when not in use, ensuring equality and fairness, rules on avoiding bullying, etc.

**NOTE: Do it on A4 size sheet and keep it short (2-3 pages).**

## **RESOURCES**



Resource refers to all the materials available in our environment which are technologically accessible, economically feasible and culturally sustainable. Conserving resources is the need of the hour as they are getting consumed at a much faster rate as compared to their replenishment.

- Prepare a report and share some ideas that can minimize the resource depletion at community level.

**NOTE: Use A4 size sheet to write your report.**

## **Map work**

Mark all the States of India with its capital cities on a political map of India.

## SUBJECT: COMPUTERS

I. Prepare a worksheet that contains the marks obtained in different subjects by the students of your class. Now perform the following tasks:

1. Calculate the Total marks.
2. Calculate the Average marks for the percentage of the student.
3. Decide the rank secured by each student.
4. Calculate the minimum and maximum by using functions.
5. Create 20 rows.
6. Use Sum () and Average () functions to find total marks and average.
7. Insert Column Chart, Pie Chart and Line chart in an excel sheet for the

table. A sample table is given for your reference

Roll no	Name	Eng	Hindi	Maths	Science	S.St	Comp	Total	Average	Rank	Max	Min
1.	Anhad	90	87	79	98	87	90					
2.	Ramesh											
3.	Ahmed											

Note: Holiday Homework to be done in MS Excel and colour each column to make table attractive.

**Note- Children must revise the whole syllabus covered till date.**