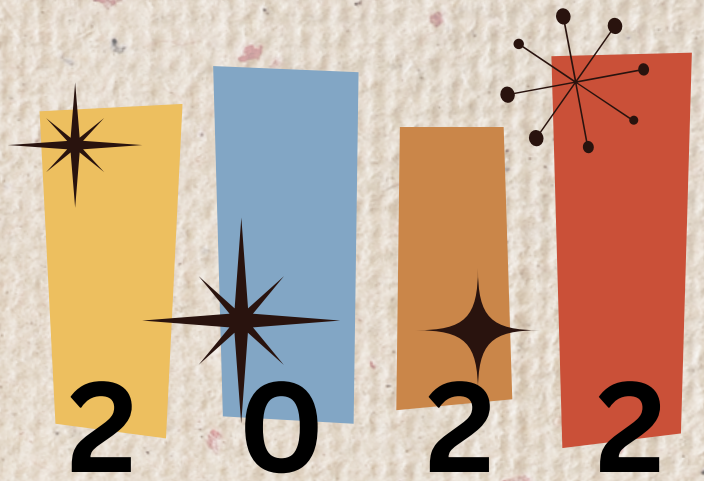
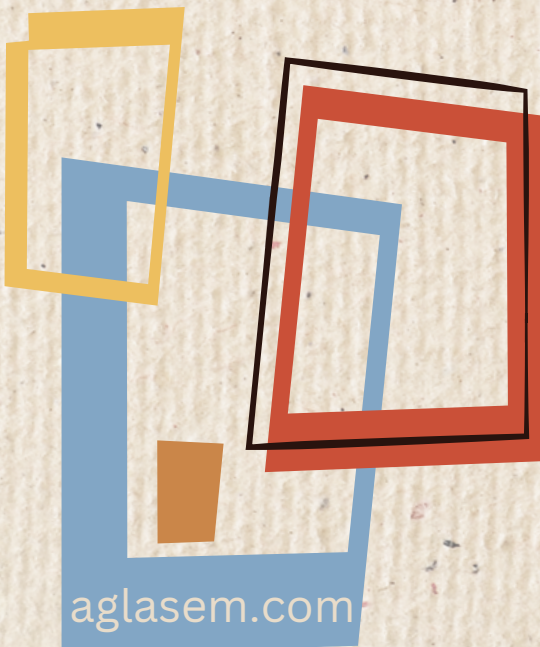
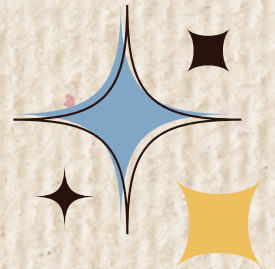


Kerala Board

First Term

Question Paper



FIRST TERM EVALUATION 2022 - 23

class : 7

Mathematics

Time : 2 Hours

Instructions

- 1) 15 Minutes is allotted as cool of time. Read the questions carefully
- 2) Eight activities are given. Answer any six.

Activity 1

- a) Draw a line AB of length 8 cm
- b) Mark the midpoint P on this line.
- c) Draw an angle of measure 60° at point P.
- d) Write its nearest angle.
- e) Extend the new line and find other 3 angles.

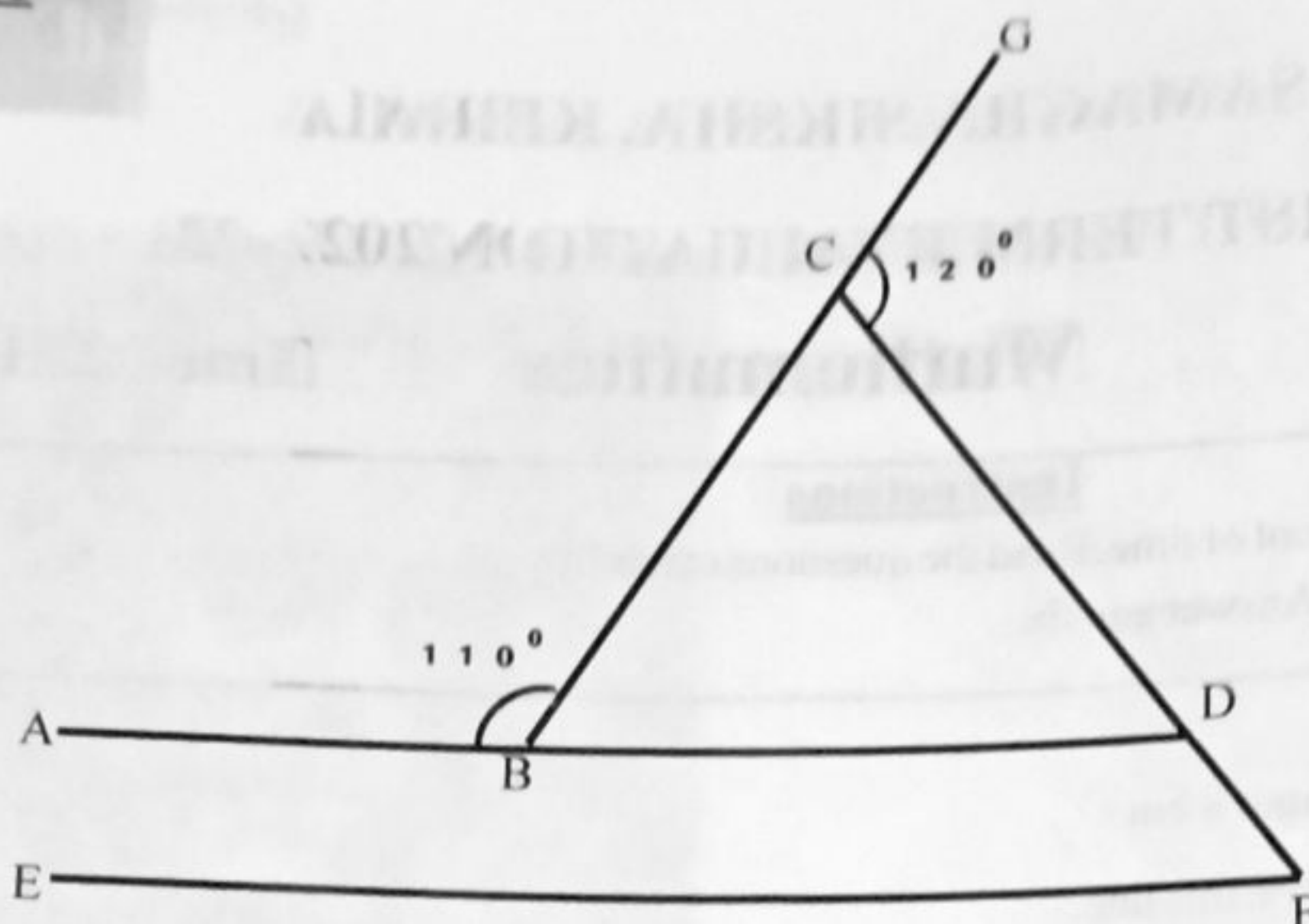
Activity 2

The picture given below is a part of calender.

2		
		11
	17	

- a) Complete the missing numbers in the square
- b) Find the sum of the numbers in all squares.
- c) Find the relation between the middle number and the sum
- d) If 'x' is the middle number, write the algebraic form of the numbers below and above it.

Activity 3

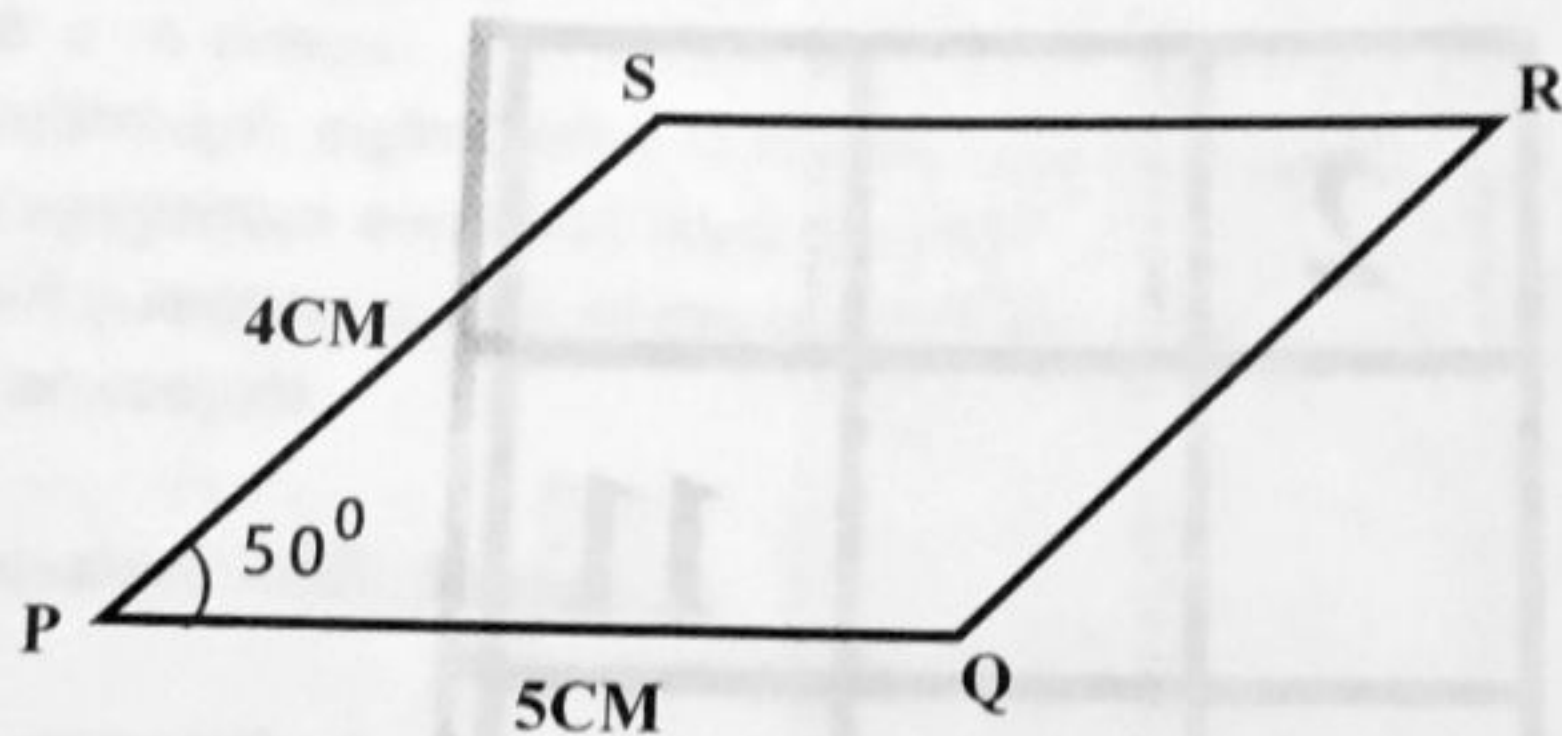


In the figure AD is parallel to EF.

- $\angle BCD = ?$
- Find the measures of other angles in triangle BCD.
- Which is the linear pair of $\angle BDC$?
- Find the measure of $\angle EFD$?

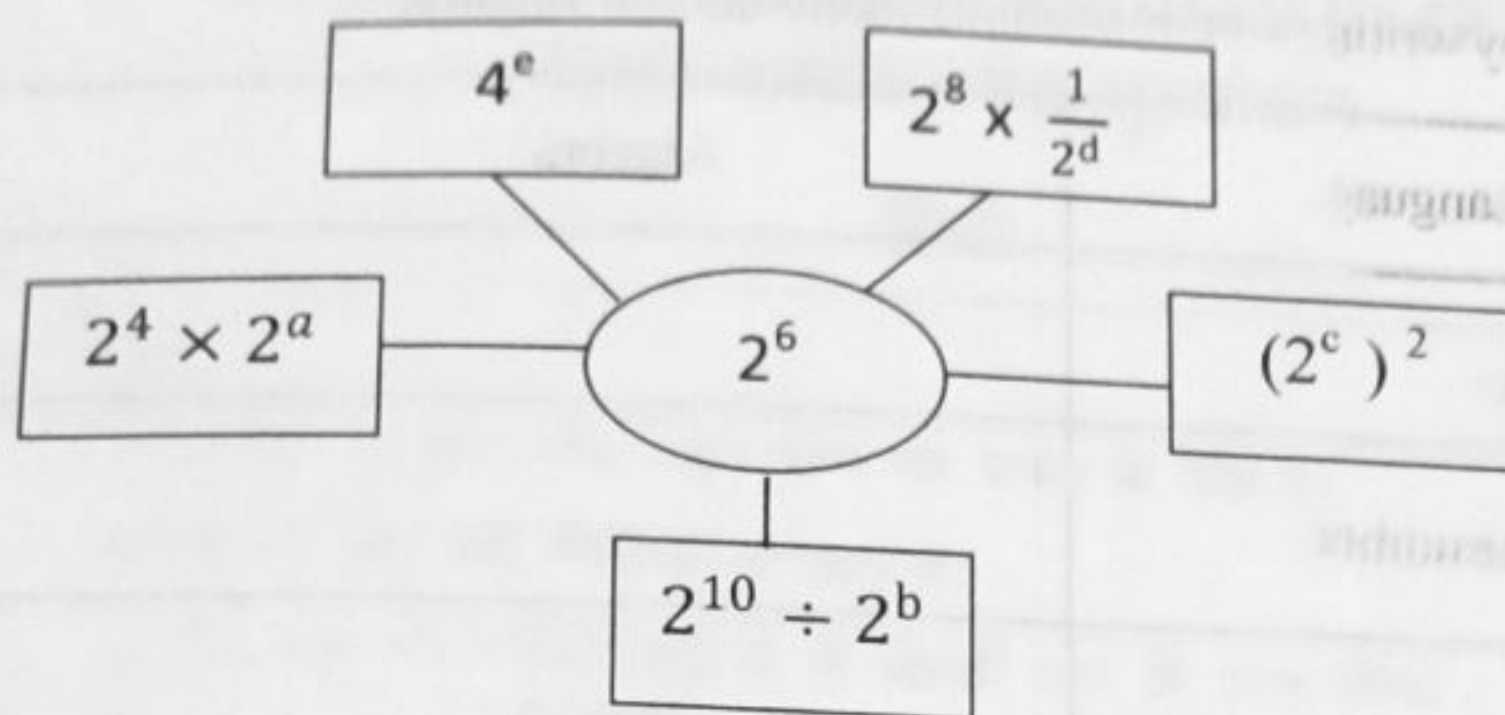
Activity 4

The figure PQRS is a parallelogram.



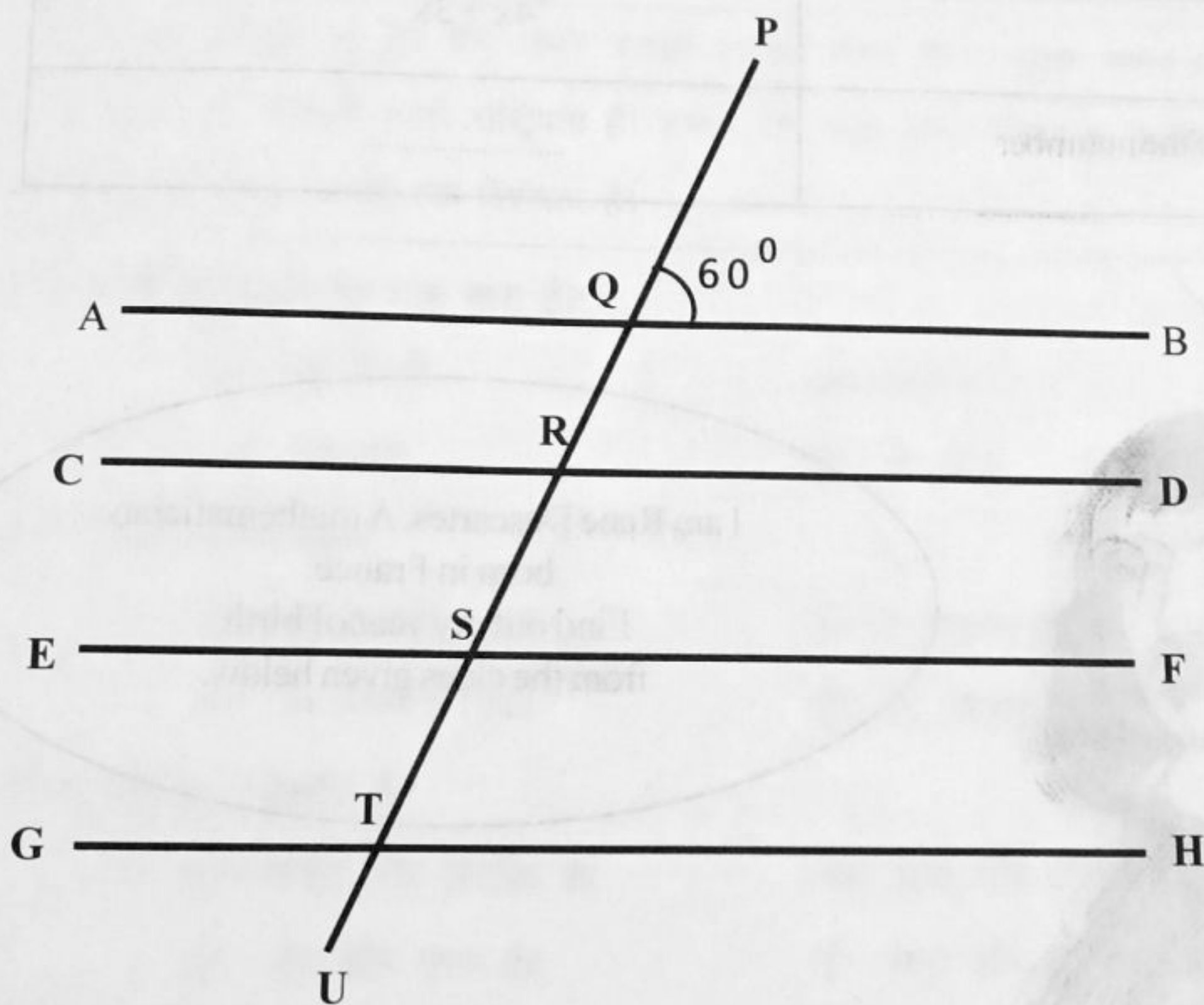
- Find its other angles.
- Draw a parallelogram whose adjacent sides are 6 cm and 5 cm and the angle between them is 70° .

Activity 5



In the figure 2^6 is written in 5 different ways. Find the values a, b, c, d and e .

Activity 6



In the figure AB, CD, EF, GH are parallel to each other.

a) If $\angle PQB = 60^\circ$, find $\angle GTU$

b) Find a co-exterior angle of $\angle PQB$.

Write the correct answers to the questions given below from the brackets.

[$\angle BQS, \angle ESR, \angle HTS$]

c) Which is the corresponding angle of $\angle CRQ$?

d) Which is the co-interior angle of $\angle FST$?

e) Which is the alternate angle of $\angle ESQ$?

Activity 7

Complete the table below by writing suitable ordinary language and algebra.

	Ordinary Language	Algebra
a.	Number	x
b.	Two times the number	
c.		$5x - 2$
d.	Five added to two times the number.	
e.		$4x + 3x$
f.	Half of the number	

Activity 8



I am Rene Descartes. A mathematician
born in France.
Find out my year of birth
from the clues given below.

- The first digit is the value of 1^{1000} . Find the first digit.
- The second digit is the value of $\frac{5^{10}}{5^3 \times 5^6}$. Find the second digit.
- The third digit is $\frac{(3^2)^3}{3^4}$. Find the third digit.
- The fourth digit is the number of zeros in the value of 10^6 . Find the fourth digit.
- In which year was I born?