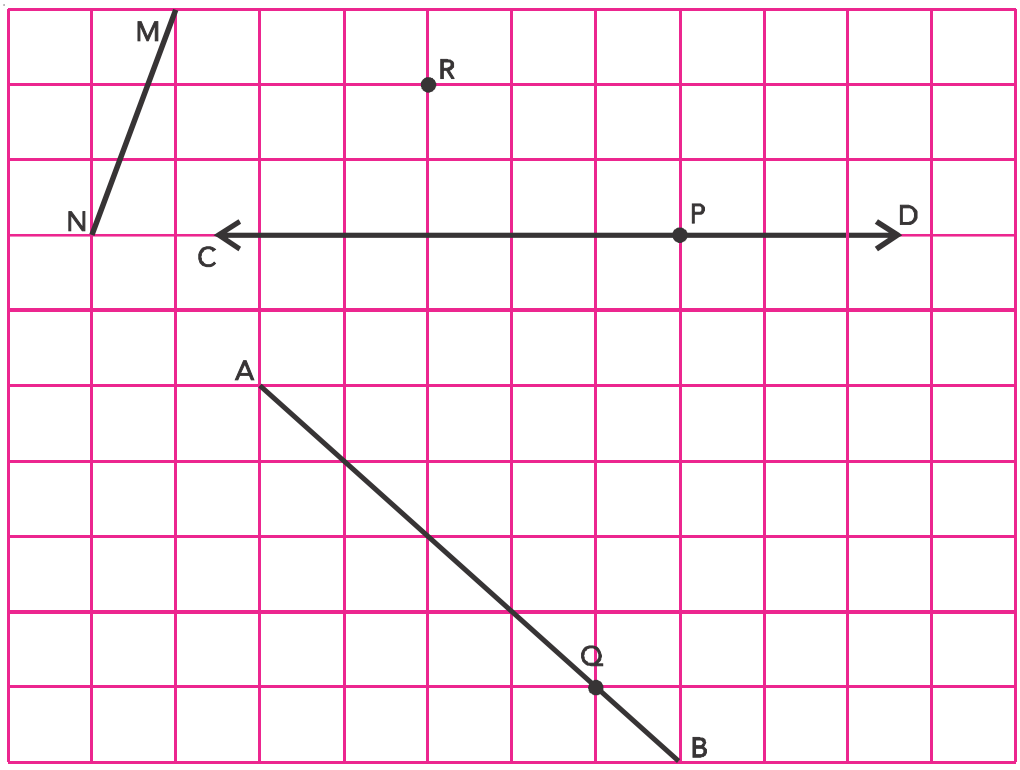
01

(A) Draw a line parallel to CD and passing through Q.

(B) Draw a line parallel to AB and passing through P on the grid.

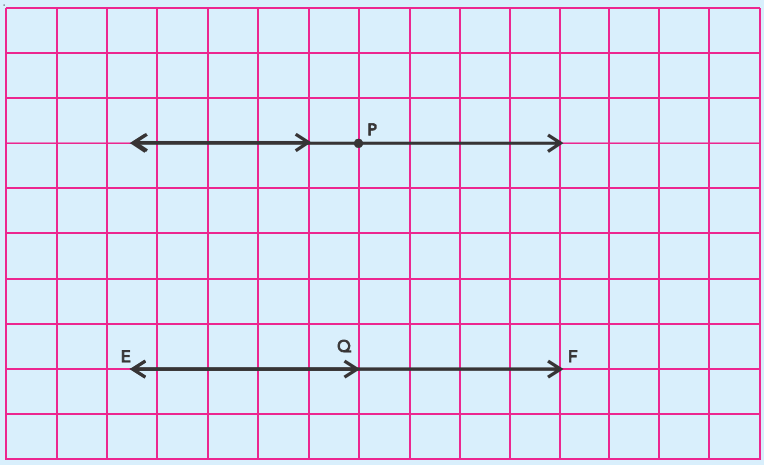
(C) Draw a line perpendicular to AB and passing through P.

(D) Draw a line parallel to MN and passing through R.



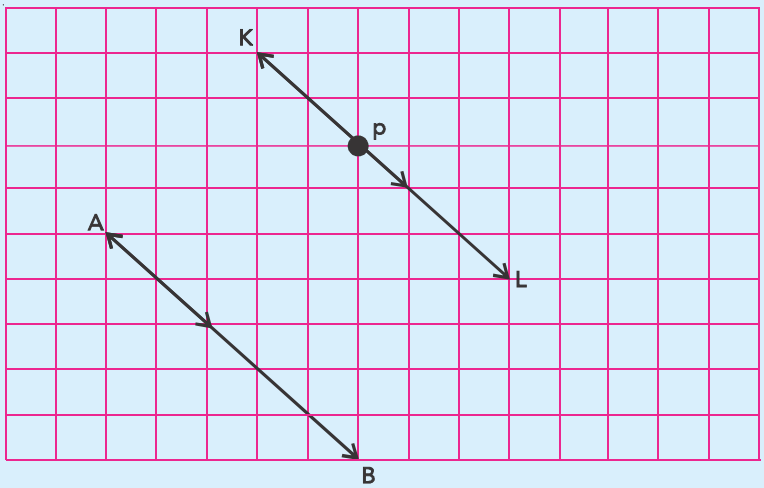
(A) This is easy as the line has to be drawn is straight across from left to right passing through Q

EF is the required line



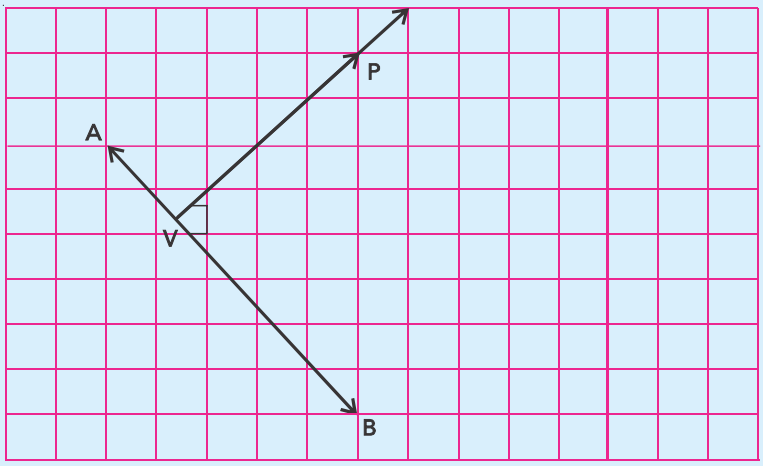
(B) Note that all has been drawn diagonally through the squares of the grid. Draw a similar line through P and keeping the same direction

KL is the required line



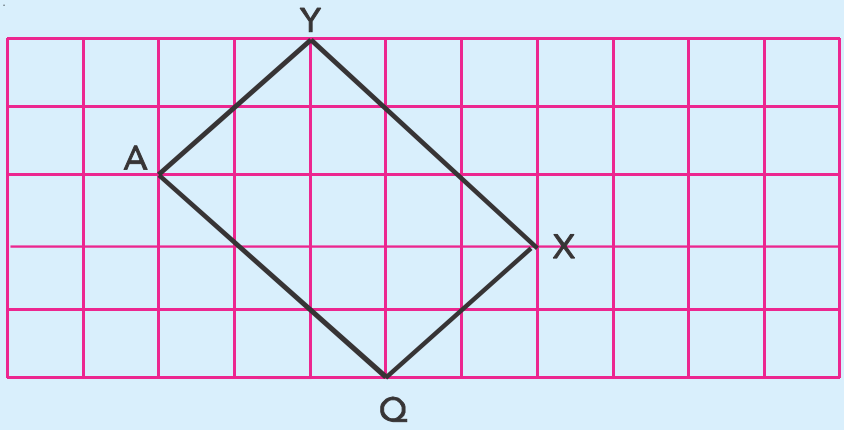
(C) Again, draw a line diagonally through P. but towards the left, so as to meet AB at a point (V)

PV is the required line

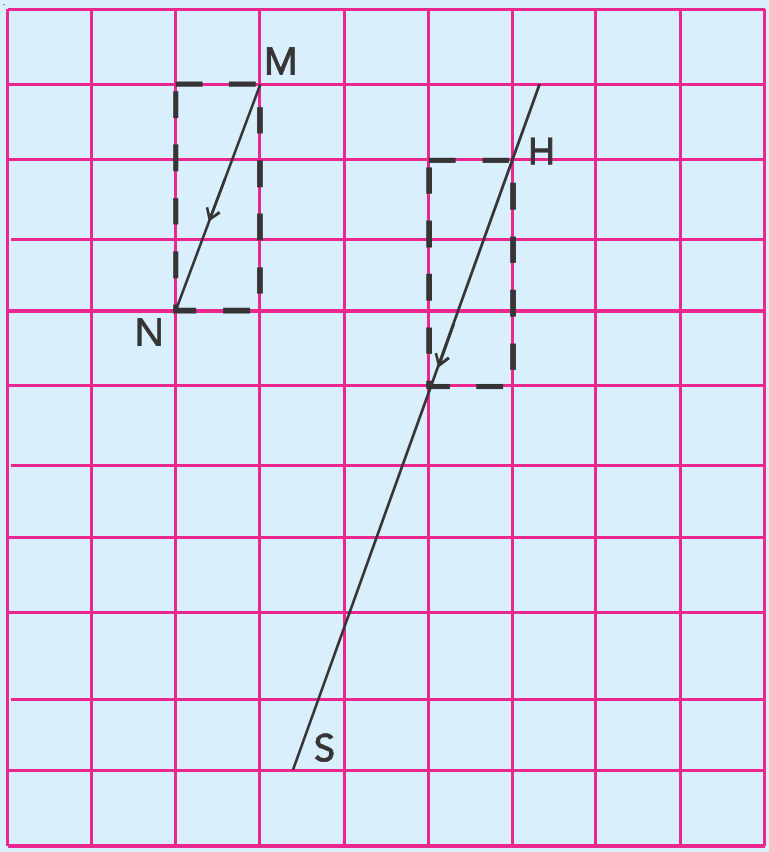


(D) Note that AQ has a length equal to 4 diagonals of the unit squares used in the grid. The breadth of the required rectangle should be less than that (Any suitable rectangle may be drawn.)

AQXY is one such rectangle



(E) Draw a line similar to MN through R. RS is the line parallel to MN and passing through R

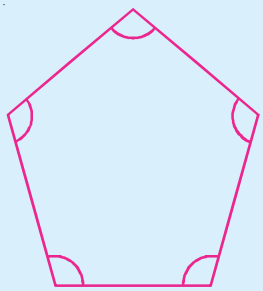


02 **Figure A below is made up of 4 straight lines and 4 angles.**

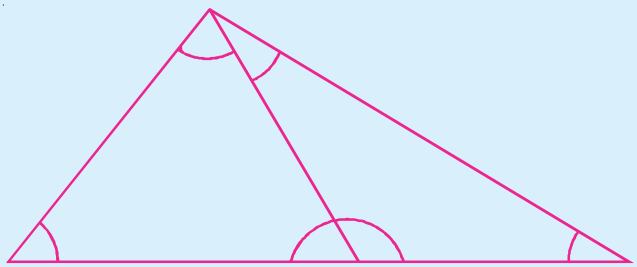
(A) In the box above, draw another fairly accurate figure (using only straight lines) with 5 equal sides and 5 angles.

(B) Next, draw a figure which contains exactly 2 acute angles, (The figure can contain other angles.)

(A) 5 equal sides and 5 angles. (Any suitable figure)



(B) 4 straight lines and 6 angles (Any figure with lines with in will serve the purpose.)



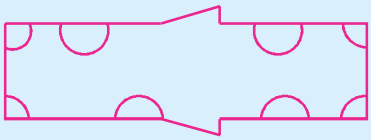
03 **In the space below, draw a closed figure with no angle in it.**

Figures with no angle. (Any suitable figure)

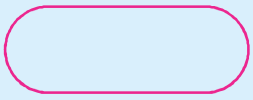
04

(A) How many angles are there altogether in the figures below ?

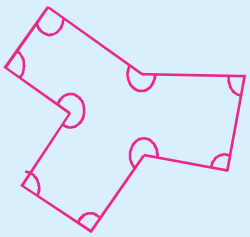
(B) How many of them are right angles ?



10 angles
(4 right angles)



No angles)



9 angles
(4 right angles)

(A) 10 + 9 = 19

There are 19 angles altogether

(B) 4 + 4 = 8

8 of them are right angles

05

Draw a triangle with one of its angles equal to a right angle. What can you say about the size of the other angles ?

The other 2 angles will always each be smaller than a right angle