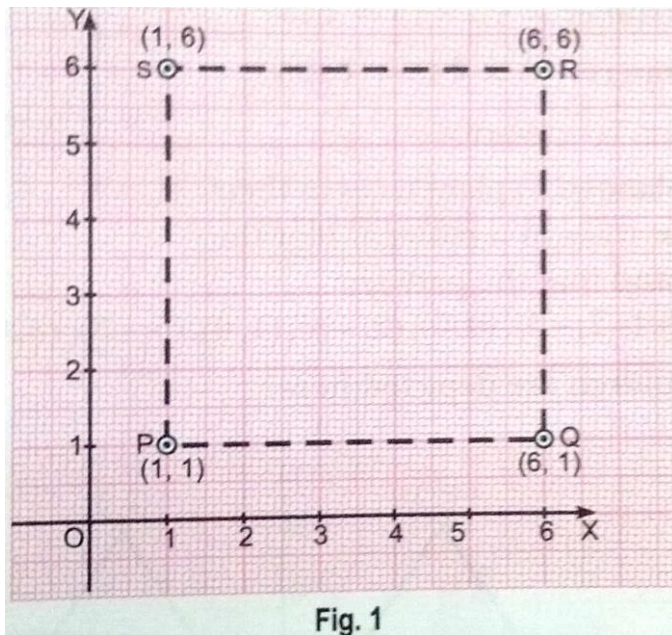


Value Based Questions

Que 1. Three students were made to stand on the Points P, Q and S with coordinates (1, 1), (6, 1) and (1, 6) respectively in a playground to play a game. Find the coordinates of the fourth point R so that PQRS forms a square. Which type of value would you infer from the question?

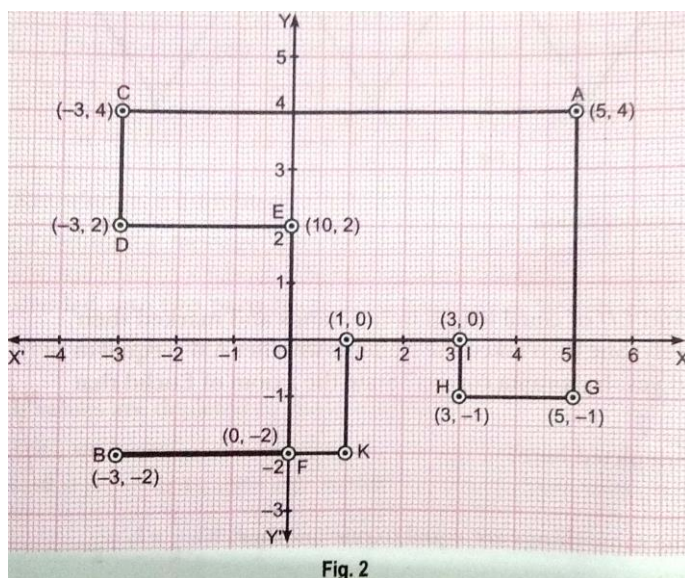
Sol. Coordinates of R are (6, 0)



Reasoning, enjoyment, physical fitness.

Que 2. There are two routes from destination A to B as shown in the figure. Which route is shorter? If Jatin travels from A to B via points G, H, I, J, K and F always, which values depicted by him?

Sol.



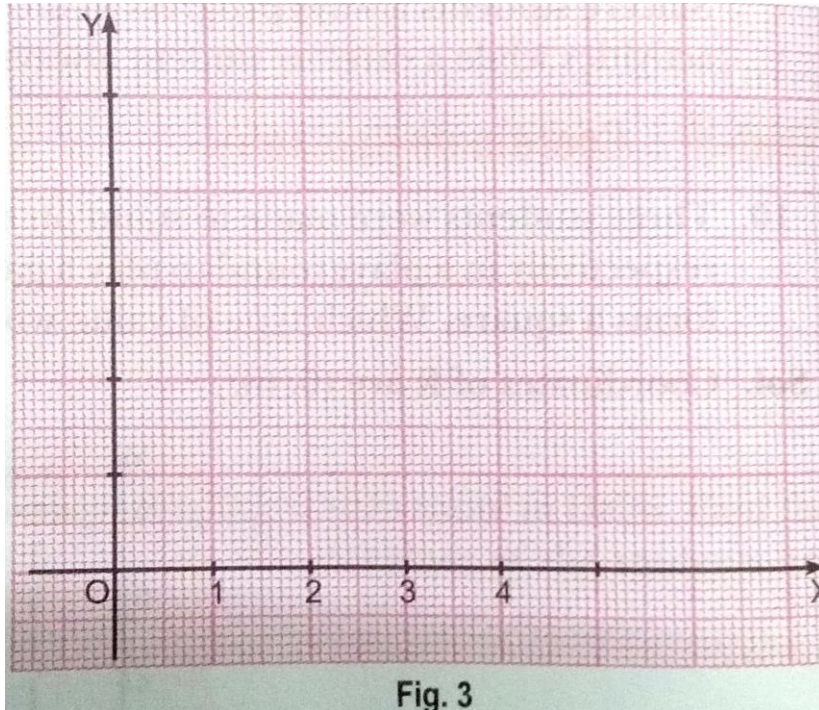
One Route is $AC + CD + DE + EF = 8 + 2 + 3 + 4 + 3 = 20$ units

Second Route is $AG + GH + HI + IJ + JK + KF + FB = 5 + 2 + 1 + 2 + 2 + 1 + 3 = 16$ units

Route via points G, H, I, J, K and F is shorter.

Economical, time saving, reasoning.

Que 3. Some students of a school started a campaign against 'Child Labour' for which they prepared rectangular banners as shown in the figure. If cost of 1 cm^2 of banner is ₹3, find the cost incurred on preparing 5 banners for the campaign. Which values are depicted in the question?



Sol. Area of rectangle ABCD = $5 \times 3 = 15 \text{ cm}^2$

Cost incurred on one banner = ₹3 $\times$ 15 = ₹45

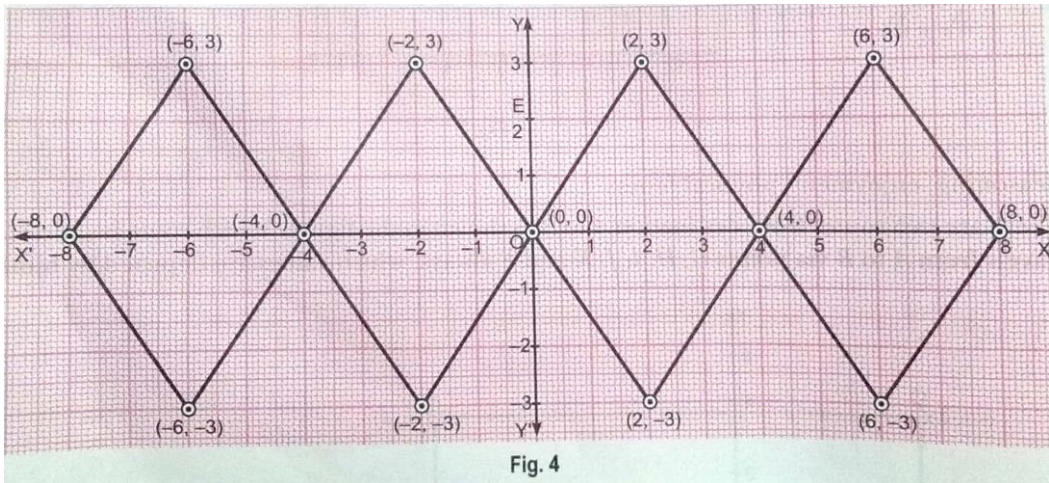
Cost incurred on 5 banners = $5 \times ₹45 = ₹225$

Social awareness, caring, cooperative.

Que 4. Children of a society planned to plant trees in their area. They planted the trees in a pattern. Plot the following coordinates and find the pattern.

$(-8, 0), (-6, -3), (-4, 0), (-2, -3), (0, 0), (2, -3), (4, 0), (6, -3), (8, 0), (6, 3), (2, 3), (-2, 3), (-6, 3)$ Which values of the children are depicted here?

Sol.



Environmental care, beauty, conservation.