

1. TPS

Topic: Euclidean Geometry

Target Students: 8th Std

Think: Identify one path that a student can take while moving from $A(0,0)$ to $B(5,10)$ without touching $C(2,4)$. [2 minutes]

Pair: Discuss your answer with your neighbor and calculate whose path has the smaller overall distance between A and B. [5 minutes]

Share: Share solutions with the class to identify the optimal path from A to B. [10 minutes]

2. PI

Topic: Speed and Velocity

Target: 9th Std Math Students or 11th Std Physics Students

Q. For one hour, you travel east in your car covering 100 km .Then travel south 100 km in 2 hours. You would tell your friends that your average speed was

Option 1 47 km/hr

Option 2 67 km/hr

Option 3 75 km/hr

Option 4 141 km/hr

Option 5 200 km/hr