**PARAGON CONVENT SCHOOL**

 **SECTOR 24 B CHANDIGARH**

 **CHAPTER – 16 SPEED, DISTANCE AND TIME**

 **ACTIVITY 1**

 **FORMULA :**

 **a. Speed = Distance**

 **Time**

 **b. Distance = Speed x Time**

 **c. Time = Distance**

 **speed**

**Q1. Complete The table:**

**a. Distance = 120 m , Time = 20 sec .Find speed ?**

 **Speed = Distance**

 **Time**

 **= 120 ÷ 20 = 6 m/sec**

**b. Distance = 420m, speed = 14m/sec . Find time?**

 **Time = Distance**

 **Speed**

 **= 420 = 420 ÷ 14 = 30 sec**

 **14**

**c. Time = 8 hours , Speed = 65 km/hr**

 **Distance = speed x time**

 **= 65 x 8 = 520 Km**

**d. Distance = 169 km**

 **time = 13 hours**

 **Speed = Distance**

 **Time**

 **= 169 ÷ 13 = 13 km/hr**

 **e. Distance = 300km , Speed = 50km/ hr**

 **Time = Distance**

 **Speed**

 **= 300 ÷ 50 = 6 hours**

**Q2. Find the speed:**

 **a. Distance = 300 km , time = 4 hours**

 **Speed = Distance**

 **Time**

 **= 300 ÷ 4 = 75 hours**

**b. Distance = 8km , Time = 2 hour**

 **Speed = Distance**

 **Time**

 **= 8 ÷ 2 = 4 hours**

**c. Distance = 54 km , Time= 3 Hours**

 **Speed = Distance**

 **Time**

 **= 54 ÷ 3 = 18 hours**

 **d. Distance = 35 km , Time= 5 Hours**

 **Speed = Distance**

 **Time**

 **= 35 ÷ 5 = 7 hours**

**Q3. Find the distance**

 **a. Speed = 90km/hr , Time = 8 Hours**

 **Distance = Speed x Time**

 **= 90 x 8**

 **= 720 km**

**b. Speed = 35 km/hr , Time = 7 Hours**

 **Distance = Speed x Time**

 **= 35 x 7**

 **= 245 km**

**Sol .4 Distance of train= 625 km**

 **Time = 7 hours**

 **Speed = Distance**

 **Time**

 **= 625 ÷ 7 = 89.2 km/hrs**

**Sol 5. Distance = 382.5 km**

 **Speed = 85km/hr.**

 **Time = Distance**

 **Speed**

 **= 382.5 = 382.5 ÷ 85 = 4.5 hours**

 **85**

**Sol.6 Speed= 630km/hr**

 **Time = 2.5hours**

 **Distance = Speed x Time**

 **= 630 x 2.5**

 **= 1575 km**

**Sol. 7 Distance = 675km**

 **Speed = 25km/hr**

 **Time = Distance**

 **Speed**

 **= 675 = 675 ÷ 25 = 27 hours**

 **25**

**Sol. 8 Speed of car = Speed = Distance = 156 ÷ 4 = 39 km/hr**

 **Time**

 **Speed of bus = Speed = Distance = 140 ÷ 3 = 46.6 km/hr**

 **Time**

 **Bus is running faster.**