

Compound Measure

1. A cyclist travels a distance of 45 miles in 3 hours. What is the cyclist's speed?
2. A train travels at 65 mph for 5 hours. What distance will it have traveled?
3. A plane flies for a distance of 1000 miles at a speed of 200 mph. How long in time will the plane be flying?
4. A town has a population of 23 000 people and covers an area of 100 km². What is the population density per km²?
7. A metal block has a volume of 100 cm³ and a mass of 1.5 kg. What is its density in a) kg/cm³ b) grams/mm³?
8. The population density of an island is 59 people/ km². What is the area of the island if its population is 7800?
9. A car travels 75 miles in 1 hour and 25 minutes. What is its speed?
10. A train travels 120 miles in 1 hr and 15 min. What is its speed?
11. How long will it take to travel 450 miles at a speed of 75 mph?
12. What distance will be covered in 17 minutes by a jet plane traveling at a speed of 960 mph?
13. What is the speed of a train in metres/sec if it covers a distance of 3.5 km in 2 minutes and 24 seconds?
14. What is the volume of a bar of material with a density of 7500 kg/metre and a mass of 1.25 kg?
15. What is the speed in metres/second of a particle that travels 2008.5 metres in 1 minute and 24 seconds?