

Compound Measure - Test

1. Copy and complete this table:

	Distance (miles)	Time (hours)	Speed (mph)
A		2	4
B		4	20
C	12		4
D	18		3
E	24	4	
F	48	6	

2. A cyclist travels a distance of 45 miles in 3 hours. What is the cyclist's speed?
3. A train travels at 65 mph for 5 hours. What distance will it have traveled?
4. A plane flies for a distance of 1000 miles at a speed of 200 mph. How long in time will the plane be flying?
5. A town has a population of 23 000 people and covers an area of 100 km². What is the population density per km²?
6. 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) gm/ mm³?
7. The population density of an island is 59 people/ km². What is the area of the island if its population is 7800?

8. In a competition, it is necessary to swim 12 miles then cycle 100 miles and finally run 15 miles. If a competitor can swim at 4 mph, cycle at 20 mph and run at 10 mph, how long will it take to complete the competition if there is a break of 45 minutes between each activity?

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	Distance (miles)	Speed (mph)	Time
A		28	2hrs 35min
B		57	4hrs 25min
C		8	3hrs 5min
D	125		5hrs 10min
E	30		1hrs 15min

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?