

Lesson Summary

Distance, rate, and time are related by the formula $d = r \cdot t$.

Knowing any two of the values allows the calculation of the third.

Problem Set

1. If Adam's plane traveled at a constant speed of 375 miles per hour for six hours, how far did the plane travel?
2. A Salt Marsh Harvest Mouse ran a 360 centimeter straight course race in 9 seconds. How fast did it run?
3. Another Salt Marsh Harvest Mouse took 7 seconds to run a 350 centimeter race. How fast did it run?
4. A slow boat to China travels at a constant speed of 17.25 miles per hour for 200 hours. How far was the voyage?
5. The Sopwith Camel was a British, First World War, single-seat, biplane fighter introduced on the Western Front in 1917. Traveling at its top speed of 110 mph in one direction for $2\frac{1}{2}$ hours, how far did the plane travel?
6. A world-class marathon runner can finish 26.2 miles in 2 hours. What is the rate of speed for the runner?
7. Banana slugs can move at 17 cm per minute. If a banana slug travels for 5 hours, how far will it travel?