Lesson Summary

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

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 March 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?