

Name: _____



Solving Equations with a Snowmobile

When its skis are replaced with tires, the 1930 Ford A Snowmobile can go a top speed of 45 miles per hour. Using the equation $y=45x$ in which x stands for number of hours and y stands for number of miles traveled, determine how far the Snowmobile could go in the given amount of time or how long it would take the Snowmobile to go the given amount of distance.



Example: 10 hours $y = 45x$ \rightarrow $y = 45(10)$ \rightarrow $y = 450$ miles

The Snowmobile can go 450 miles in 10 hours.

1. 7 hours

2. 24 hours

3. 19 hours

4. 3.5 hours

5. 5.75 hours

6. 12.25 miles

7. 90 miles

8. 630 miles

9. 270 miles

10. 1440 miles

11. 765 miles

12. 2160 miles