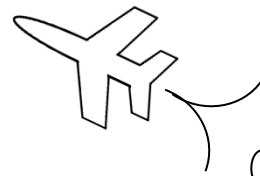# Math on the Fly!

NAME: _____   DATE: _____

Distance–Rate–Time Problems

Solve each problem.

1. How many miles does a car cover if it moves at a speed of 45 miles per hour for 3 hours?

2. An animal ran 500 meters at a rate of 25 meters per second. How many seconds did it take the animal to run the distance?

3. If a truck covers a distance of 320 miles in 5 hours, what was the average speed of the truck in miles per hour?

4. A particle is moving at a rate of 65 feet per second for one full minute. How many *inches* did the particle cover in that time span?

5. A car covered a distance of 60 miles in 45 minutes. What is the speed of the car in *miles per hour*?

6. How many *minutes* does it take for a van to travel 224 miles when the speed of the van is 40 miles per hour?

7. Two trains are 630 miles apart and are moving towards each other. One train is moving at 30mph, and the other train is moving at 40mph. How many hours will it take for the trains to meet each other?

8. For a road trip, a man first drove his car at a rate of 50 miles per hour for 3 hours and then drove the car at a rate of 70 miles per hour for another 2 hours. What was the man's average speed for the entire 5–hour trip?

SOLUTIONS

1. 135 miles

2. 20 seconds

3. 64 miles per hour

4. 3900 feet → 46800 inches

5. 80 miles per hour

6. 5.6 hours → 336 minutes

7. 9 hours

8. 58 miles per hour