Distance = Rate X Time

If any 2 items of distance rate or time are given you can calculate the third.
Example:

distance time

1. John drove 263.5 miles. It took him 4 hours and 15 minutes.

rate

What was his average speed? (miles per hour)

d = r t

263.5 = r 4 and $\frac{15}{60}$ = 4 .25 hour

minutes in an hour

d = t (r)

263.5 = 4.25 r

$$\frac{263.5}{4.25} = \frac{4.25}{4.25} r$$

62 mph = r