



Math worksheet on 'Speed - Distance and Time to Speed - Variables, Changed Time Units (Level 1)'. Part of a broader unit on 'Speed, Distance, and Time - Practice'

Learn online: app.mobius.academy/math/units/speed_distance_time_practice/

2

A car drives for R hr and goes X km. How fast is this in km/min?	a $\frac{60R}{X} \text{ km/min}$	b $\frac{X}{60R} \text{ km/min}$
	c $\frac{R}{60X} \text{ km/min}$	d $\frac{1}{XR} \text{ km/min}$

1

A car drives Y mm in R hr. How fast is this in mm/d?	a $\frac{24R}{Y} \text{ mm/d}$	b $\frac{24YR}{1} \text{ mm/d}$
	c $\frac{24Y}{R} \text{ mm/d}$	d $\frac{1}{24YR} \text{ mm/d}$

3

A car drives N mm in Y hr. How fast is this in mm/d?	a $\frac{1}{24NY} \text{ mm/d}$	b $\frac{24N}{Y} \text{ mm/d}$
	c $\frac{N}{24Y} \text{ mm/d}$	d $\frac{24}{N} \text{ mm/d}$

4

A car drives for Z hr and goes R km. How fast is this in km/min?	a $\frac{R}{60Z} \text{ km/min}$	b $\frac{1}{R} \text{ km/min}$
	c $\frac{1}{RZ} \text{ km/min}$	d $\frac{Z}{60R} \text{ km/min}$

5

A car drives M m in C min. How fast is this in m/hr?	a $\frac{60M}{C} \text{ m/hr}$	b $\frac{60MC}{1} \text{ m/hr}$
	c $\frac{C}{60M} \text{ m/hr}$	d $\frac{M}{60C} \text{ m/hr}$

6

A car drives Z cm in Y s. How fast is this in cm/ms?	a $\frac{ZY}{1,000} \text{ cm/ms}$	b $\frac{1}{ZY} \text{ cm/ms}$
	c $\frac{1,000Y}{Z} \text{ cm/ms}$	d $\frac{Z}{1,000Y} \text{ cm/ms}$

7

A car drives for Y ms and goes X km. How fast is this in km/s?	a $\frac{1,000X}{Y} \text{ km/s}$	b $\frac{1,000Y}{X} \text{ km/s}$
	c $\frac{Y}{1,000X} \text{ km/s}$	d $\frac{X}{1,000Y} \text{ km/s}$