

Lab Goal : This lab was designed to teach you more about objects, input, output formatting, and the Math class.

Lab Description : Given a distance traveled (miles) and elapsed time (hours and minutes), calculate the speed in miles per hour.

```
distance = rate * time           minutes / 60 = hours   ( 360 / 60 == 6 hours )
```

Sample Data :

```
45 0 32
96 1 43
100 2 25
50 2 25
```

Sample Output :

```
Enter the distance :: 45
Enter the hours :: 0
Enter the minutes :: 32
```

```
45 miles in 0 hour and 32 minutes = 84 MPH.
```

```
Enter the distance :: 96
Enter the hours :: 1
Enter the minutes :: 43
```

```
96 miles in 1 hour and 43 minutes = 56 MPH.
```

```
Enter the distance :: 100
Enter the hours :: 2
Enter the minutes :: 25
```

```
100 miles in 2 hour and 25 minutes = 41 MPH.
```

```
Enter the distance :: 50
Enter the hours :: 2
Enter the minutes :: 25
```

```
50 miles in 2 hour and 25 minutes = 21 MPH.
```

Files Needed ::

```
MilesPerHour.java
MPHRunner.java
```

You may have to use a Math method in this program.