Name _____   Date _____

The Attributes of Data and Units of Measure - Independent Practice Worksheet

Complete all the problems.

1. Anderson lights two candles that are 16 inches long at the same time.

Candle	Time	Length Melted	Amount Melted per minutes
One	30 min	5 inches	
Two	40 min	3 inches	

        a. Complete the length melted per minute column of the chart.

        b. Which candle will burn out first?

2. Three flights are flying out at 12.00am. The speeds of the flights are indicated below.

Flight	Kilometer	Time	Kilometer per min
One	420 km	45 min	
Two	510 km	55 min	
Three	460 km	50 min	

        a. Complete the Kilometer per hour column of the chart.

        b. How long will they take to cover 600 km?

3. If Lopez's boat goes 85 miles to an island and he then continues on to here, his distance from the island is at fixed times.

Miles	Time
35	1 hours
66	2 hours

a. How much total distance will he cover?

b. After he passed the island, did he drive faster during the first or second hour?

Name _____   Date _____

4. Garcia, Allen, Nelson, and Mitchell left the airport and traveled toward the mountains.

Name	Distance	Time	Miles per minutes
Garcia	40 miles	184 min	
Allen	55 miles	214 min	
Nelson	35 miles	246 min	
Mitchell	45 miles	216 min	

a. Who got there in the fastest time?

b. One of the friends covers a mile in 7.03 minutes, who is it?

5. An ultra sonic bullet train left Miami and traveled towards New York.

Distance	Time	Miles per minute
60 miles	20 min	
80 miles	28 min	

a. Calculate the miles per minute.

b. How much distance would the train cover in 30 minutes, if the train is running at a speed of 12 miles/min?

6. Wendy is going for a walk. Tinny is also going for a walk with Jinx. Jinx falls behind, yet Tinny continues. The chart below shows their progress.

Name	Distance	Time	Miles per hour
Wendy	15 miles	4 hours	
Tinny	11 miles	6 hours	
Jinx	17 miles	7 hours	

a. Who is walking the fastest?

b. Calculate the speed they were travelling (Mph).

7. Howard, Watson and Rivera agree to meet in Las Vegas for the weekend. They have to cover 105 miles over the trip. Here is their day 1 progress:

Name	Distance	Time	Miles per hour
Howard	65 miles	15 hours	
Watson	80 miles	20 hours	
Rivera	72 miles	18 hours	

   a. Who walks faster Watson or Rivera?

   b. One of the friends walks 4.33 miles in an hour, who is it?

8. James started doing his homework over two days. On day 1 he takes 2 hours to write 20 pages. On day 2 he takes 3 hours to write 30 pages.

Pages	Times
20 Pages	2 hours
25 Pages	3 Hours

   a. How many pages did he write in total?

   b. In which hour did he write the fastest?

9. Powell filled two water bottles that carry different volumes of water.

Bottle	Time	Fill	Inches per second
One	12 seconds	12 inches	
Two	13 seconds	10 inches	

   a. Complete the fill per second column of the chart.

   b. Which will fill first?

Name _____   Date _____

10. Coleman, Bennett, Perry and Patterson are going for a walk.

Name	Distance	Time	Miles per minute
Coleman	26 miles	156 min	
Bennett	29 miles	212 min	
Perry	20 miles	210 min	
Patterson	24 miles	186 min	

a. Who walks fastest?

b. Who will finish a 10 mile walk-a-thon first and how long will it take?