When Does a Farmer Go to a Drug Store?

NAME _____

DATE _____

PERIOD ___

PRE-ALGEBRA -- CHAPTER 1.5
PRACTICE WITH THE DISTANCE FORMULA

> Round each solution to the nearest tenth and find it in the answer boxes. Write the letter of the answer in each space containing the number of the problem.

1. Alain Prost won the British Grand Prix by driving for 1.41 hours at an average speed of 139.2 miles per hour. How many miles was the race?

_____ mi

2 Walter Poenisch swam from Havana, Cuba, to Duck Key, Florida, in 34.25 hours. His average speed was 3.76 miles per hour. How far did he swim?

_____ mi

3. Matt Biondi set a record by swimming 100 meters at an average speed of 2.052 meters per second. How long did he take to swim the 100 meters?

_____ s

4. A baseball pitch has been clocked at a speed of 147.9 feet per second. At this speed, how long does it take the baseball to travel from the pitcher's mound to home plate, a distance of 60.5 feet?

_____ s

5. Teuvo Louhivouri set a record by riding a bicycle 515.8 miles in 24 hours. What was his average speed?

_____ mph

6. The record for traveling across the United States on a motorcycle is 74.6 hours. If the distance traveled was 2,945 miles, what was the average speed of the motorcycle?

_____ mph

7. Herman van Springel won the Bordeaux-to-Paris, France, bicycle race by riding for 13.59 hours at an average speed of 26.65 miles per hour. How far did he ride?

_____ mi

8. In 1934 Walter Nilsson rode a unicycle 3,306 miles from New York to California. If he averaged 28.5 miles a day, how many days did the trip take?

_____ d

9. Dave Dowdle set a record by running for 24 hours at an average speed of 7.1 miles per hour. How far did he run?

_____ mi

10. A hockey puck has been clocked at a speed of 166 feet per second. At this speed, how long would it take the puck to travel the 200-foot length of a hockey rink?

_____ s

11. Guiseppe Cantarella set a record by roller skating 1,320 feet in 34.9 seconds.
   A. What was her average speed in feet per second?

_____ fps

   B. What was her average speed in miles per hour? (1 foot per second = 0.68 mile per hour.)

_____ mph

Answers 1 – 6:

(B) 0.6	(I) 48.7	(A) 128.8
(N) 21.5	(G) 34.2	(M) 39.5
(D) 196.3	(T) 0.4	(P) 126.9

Answers 7 – 11:

(R) 1.2	(L) 27.3	(W) 362.2
(Y) 164.4	(H) 170.4	(S) 25.7
(E) 37.8	(U) 1.4	(F) 116

7	9	11A	5	9	11A	5	11A	11A	1	11B	2	8	2	10	6	2	11B	11B	3	11B	4