Cut out on dotted line. Put in SN page 8

Practice Calculating Speed Name _____

Several GMMS students investigated speed by rolling a medicine ball down the hall. They did six trials, and collected time data at 10 meters and 20 meters (below).

Trial	Time at 10 meters (seconds)	Time at 20 meters (seconds)
1	2.2 s	4.8 s
2	2.7 s	5.9 s
3	3.2 s	7.0 s
4	2.4 s	5.2 s
5	2.8 s	6.4 s
6	2.5 s	6.0 s
	Total =	**Total =**
Average Time	**Divide by __ =**	**Divide by __ =**
Speed = distance/time	_____ / _____	_____ / _____
Speed		
Overall Average Speed	**XXXXXXXXXXXXXXXXX**	

Questions:

1. What is the average speed at 10 meters? _____ 20 meters? _____

2. What is the average overall speed? _____

3. What are the units of speed in this investigation? _____

4. What do you think the purpose of this investigation was?

5. How long would it take a ball traveling at the average overall speed to go 100 meters?

6. Imagine that you are traveling in a car at 60 MPH. You see a road sign saying that a rest area is 25 miles ahead. You really have to go to the bathroom, and think you can't wait more than 20 minutes. When will you get there? Show your math.