

**Word Problem Answers for 21<sup>st</sup> Century Learning \* 5<sup>th</sup> & 6<sup>th</sup> Grade Levels - A**  
**These English & Metric Unit Word Problems could be nicely solved in an**  
**electronic environment such as MS Word & Desktop Calculator & Explorer.**

1. A family road trip from Columbus, OH to Omaha, NE (Check using Mapquest! )  
with only short stops for food and gas and no long overnight stops at motels  
took approximately **22 hours** with a total distance traveled of **1269 kilometers**.  
What is the average miles per hour to the **nearest tenth** of mph?  
A. 40.9 mph      B. 30.9 mph      C. 35.8 mph      **D. 35.9 mph**
2. A family road trip from Paris, France to Rome, Italy (Check using Mapquest! )  
with only short stops for food and gas and no long overnight stops at motels  
traveling approximately **45 kmph** with a distance traveled of **893 miles**.  
What is the total time to **nearest tenth** of an hour for this family trip?  
A. 32.0 hrs      B. 31.0 hrs      **C. 31.9 hrs**      D. 32.9 hrs
3. Recently, a store owner wanted to put down new carpet for his establishment  
and had a European carpet company measure the complete floor for his existing store.  
The measurements were 5m x 7m and 6m x 4m for two rooms for need carpet.  
If installed carpet is \$3.5 per sqyd **then** calculate cost to the **nearest tenth!**  
A. \$217.00      **B. \$247.10**      C. \$206.5      D. \$200.00
4. A furniture store owner wanted to have the walls of his store a new bright color  
and a local Italian company gave his an estimate for the total cost as \$150.00 Euros.  
Walls measured 5m x 3m & 16m x 3m, 7m x 3m & 7m x 3m rectangular room.  
What is the cost per hour is the painting took place in 12 hours.  
**A. \$12.50/hr**      B. \$12/hr      C. \$35.25/hr      D. \$32.50/hr
5. An expensive table from Europe which measures 4m x 7m needs to be resurfaced.  
If an resurfacing company from the USA was contracted to complete the job  
and quoted a price of \$50 per sqyd for resurfacing and polishing the table.  
What is the cost per square meter for the table to be resurfaced? 33.4sy  
**A. \$1670**      B. \$1760      C. \$1400      D. \$3340
6. An expensive recliner chair from Maine, USA needs to be reupholstered and adjusted.  
If an company from the Europe was contracted to complete the changes and estimated  
the cost to \$75 per sq meter for 3 sq meters of materials and labor for the changes.  
What is the cost per square foot for the chair to be resurfaced and adjusted?  
A. \$2250      B. \$2200      **C. \$2400**      D. \$2000

**Metric Conversions:** <http://www.metric-conversions.org/>  
**Metric Conversions:** <http://www.learner.org/interactives/metric/index.html>