**INDEPENDENT PROBLEM SOLVING**

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| 1) Elle placed a bucket under a leaky roof. The bucket was full after one-half hour.  What is this rate in buckets per hour? | 2) Elle wanted to know how long it would take to fill 1 bucket. What is this rate in hours per bucket? |
| 3) The punch has 7 ½ gallons of juice mix for every 1 ¼ gallons of fresh fruit juice. How many gallons of juice mix are used per gallon of fresh fruit juice? | 4) Waylon ran 3 ¾ miles in 25 minutes. What is the unit rate in miles per hour? |

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| 5) Two stores advertise the turkey prices in anticipation of Thanksgiving.  Store A sells pounds of turkey for ten and one-half dollars.  Store B sells pounds of turnkey for six and one-quarter dollars.  Which store has the better buy? Explain your reasoning. |
| 6) Which car can travel farther on 1 gallon of gas?  Blue Viper: miles using 0.8 gallons of gas.  Red Rocket: miles using 0.75 gallons of gas.  Explain your reasoning. |