Name: Date:

**Study Guide** – Lesson 9

1. Max and Alexa are both rock climbers.

**Max climbs 3 meters in** $\frac{1}{6}$ **of an hour**

**Alexa climbs 17 meters in** $\frac{5}{6}$ **of an hour**

Circle **ALL** of the statements that are **TRUE**

1. Max climbs 15 meters in an hour True
2. Alexa climbs more than 20 meters in 1 hour True
3. Max climbs 1 meter in $\frac{1}{18}$ of an hour True
4. Max climbs more meters in an hour than Alexa False
5. Sara rides bikes in bike racing competitions. She rides her bike 4$\frac{1}{2}$ miles in $\frac{1}{5}$ of an hour. What is Sara’s rate in miles per hour?

Multiply both by 5, Sara travels at a rate of 22.5 miles per hour

1. Donovan bought 6 pounds of apples for $8.50

Decide if the statements are True or False

1. A pound of apples costs less than $1 False, 1 pound costs $1.42
2. 5 pounds of apples cost more than $7 True, 5 pounds cost $7.08
3. Kroger sells 3 types of apples **Golden Delicious Apples cost**: $6.90 for 6 pounds

**Granny Smith Apples cost**: $3.00 for 3 pounds

**Michigan Apples cost**: $4.00 for 5 pounds

Which kind of apple costs the least per pound?

Switch each rate to a unit rate, $\frac{6.90}{6}$ = $\frac{1.15}{1}$ $\frac{3.00}{3}$ = $\frac{1.00}{1}$ $\frac{4.00}{0.80}$

The cheapest apples are Michigan apples according to unit rate

1. James can shovel $\frac{1}{5}$ of his snow on his sidewalk in 8 minutes. Can he shovel all of the snow on his sidewalk in under an hour?

James shovels all of the side walk in 40 minutes, so yes, he can shovel the side walk in less than an hour