

Name: _____

Date: _____

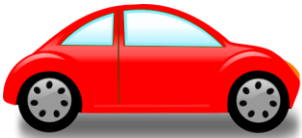
Proportional Reasoning

Set up a proportion for each problem below and solve. Be sure to include labels.

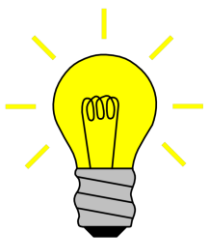
- 1) A baker can make 25 cakes in 4 days. At this rate, how many cakes can he make in 7 days? State your answer as a simplified fraction.



- 2) A car can travel 75 miles on 4 gallons of gas. At this rate, how many gallons of gas is needed to travel 300 miles? State your answer as a decimal rounded to the nearest tenth.



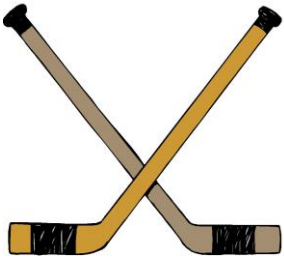
- 3) On average, a house uses 850 kWh of electricity in four weeks. At that rate, how many kWh does a house use in a year? (there are about 52 weeks in a year)



4) During the last storm, 12 inches of snow fell in 26 hours. At that rate, how much snow fell during school hours (approximately 6 hours). State your answer in a simplified fraction.



5) Ryan Donato scored 60 goals in 97 games at Harvard. At this rate, how many goals can you expect him to score in an 82 game season when he enters the NHL full time? Round your answer to the nearest whole.



6) A student worked for 4 hours and earned \$85. If they are saving to buy a \$750 iPad, how many hours do they need to work? Think about how you should round your answers.

