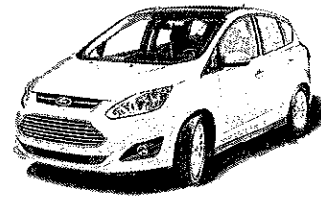
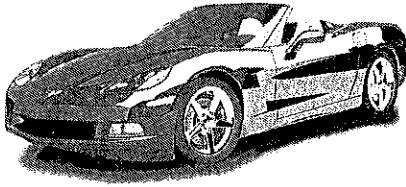


Name: \_\_\_\_\_



## ROAD TRIP

### Multiplying and Dividing Decimals

#### Performance Task Objectives

- Multiply a whole number by a decimal
- Divide decimals by whole numbers

#### Materials

- Student recording sheet
- Paper and pencil
- Calculator
- Internet Access

#### Task

Student will go on a road trip in a car of their choice (3 choices) and stop at 5 different locations where they will fill up their tank with gas. They will determine the cost of the road trip in each car

#### Directions:

Use the example below to help you solve this problem.

The distance from Blue Bell, PA to Orlando Florida is 997.6 miles. The table below shows the average number of miles per gallon for 4 different cars.

CAR	MILES PER GALLON
Saturn	24
Corvette	22
Mustang	28
Jeep	21

1 gal.  
24 mi

$$10 \times 2.69 = 26.90$$

\$

400 miles

Name: \_\_\_\_\_

1. Suppose you had to make the trip from Blue Bell, PA using one of the cars from the chart. Assume gasoline in Blue Bell costs \$2.69 a gallon.
2. Select 3 cars you would like to drive on your trip. Research the miles per gallon that the car gets on the HIGHWAY. Find the total number of gallons of gasoline needed to drive the car from Blue Bell PA, to 4 more locations. **Show your work.** Use your calculator to check your answers.
3. Print out a map to show the locations of the cities to which you traveled.
4. Calculate the total cost of the trip with all 3 cars and determine which car you would use to make the trip.

Name: \_\_\_\_\_

## Math Challenge : Unit 6

$$\begin{array}{r|l} 100\text{ m} & 10.56\text{ s} \\ \hline \text{ft} & \end{array} \quad \underline{\text{Olympic Athlete}}$$

Select your favorite Olympic athlete such as Lindsey Vonn, Michael Phelps, or Apolo Ohno. Using the school library or the internet, research your athlete's records in at **least 5 different competitions**. Represent the data you collect in terms of time and distance and show the date in **2 different forms**. You also need to convert the measurement used to complete the race into **two different lengths of measurement**. Interpret your collection is a **two paragraph summary**. What factors do you think affect your athlete's times? Share your research results and representations with the class.

### Notetaking

Name: \_\_\_\_\_

A Generic Rubric in Creating Multimedia Presentation

Criteria	4 (Very good)	3 (Good)	2 (Fair)	1 (Poor)
Appropriateness	The content of the presentation is appropriate to the specific topic and viewers.	1-20% of the presentation content is not appropriate to the specific topic and viewers.	21-40% of the presentation content is not appropriate to the specific topic and viewers.	41% or above of the content presentation is not appropriate to the specific topic and viewers.
Creativity	The presentation shows the calmness and effectiveness of the design, entertainment and pictures.	The presentation shows moderately calmness and effectiveness of the design, entertainment and pictures.	The presentation is over in design and correct color combination is not executed.	The presentation has no design and entertainment.
Organization	All the contents, design etc. are organized properly	Only 80-99% of the contents, design etc. are organized properly	Only 60-79% of the contents, design etc. are organized properly	Only 60% or below of the design etc. are organized properly.
Information/Content	Information/content of the presentation are excellent and clear.	Information/content of the presentation are generally supports revolutionary idea.	Information/content presented are thin but does relate to revolutionary idea.	Some information/content are presented but is not always relevant.

