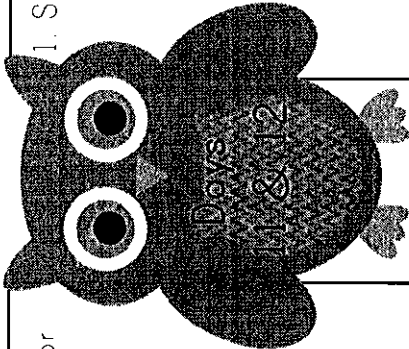


<p>1. The distance from the Earth to the Sun is 93 million miles. The distance from the Earth to the Moon is 240 thousand miles. Express the difference between the distances in scientific notation.</p>	<p>2. Simplify: <math>(6^3) \cdot (6^{-2})</math></p>	<p>2. Explain how you can determine the answer to #1 without writing either number in standard form.</p>
<p>3. Write 0.00062 in scientific notation.</p>	<p>4. Solve: <math>\frac{1}{2}(8x - 4) = 4x + 2</math></p>	<p>4. Explain how you determined your answer to #3.</p>

1. Circle the largest number.  
 $8.32 \times 10^2$   
 $6.35 \times 10^3$

Dates : \_\_\_\_\_

My score: 1 2 3 4      My score: 1 2 3 4



Dates : \_\_\_\_\_

1. A car is traveling 40 mph. Show the relationship between speed and time on the graph below.

2. Write an equation for the relationship in #1.

1. Simplify:  $\frac{5^5}{5^6}$

2. Which is equivalent to  $(6^2)(6^4)$

A.  $6^{2 \cdot 4}$   
 B.  $6^{2-4}$   
 C.  $6^{2+4}$   
 D.  $6^{2 \div 4}$

3. The number below is one you might see in your calculator. Re-write it in scientific notation.

$2.0008E+6$

4. Write 152,300 in scientific notation.

3. Write an equation for the line shown below.

4. In the equation you wrote in #3, identify which number is the:

Slope = \_\_\_\_\_

Y Intercept = \_\_\_\_\_

My score: 1

2 3 4

My score: 1

2 3 4