5th Grade Unit 2 Review

NAME:

1.
   a. Write 10,000 in exponential notation.

   b. Write 10^5 in standard notation.

   c. Write the product of 10 * 10 * 10 * 10 in standard notation.

   d. Write 345 * 10^4 in standard notation.

2. Tamara solved the problem 91 * 28. Her work is shown below.

$$\begin{array}{r} 91 \\ *\ 28 \\ \hline 180 \\ 2 \\ 72 \\ +\ 8 \\ \hline 262 \end{array}$$

Is she correct? Explain.

3. Convert pounds to ounces.

   1 pound = 16 ounces

   3 pounds = _____ ounces

   7 pounds = _____ ounces

   _____ pounds = 48 ounces

4. Make an estimate then solve.

   345 x 8= _____   46 X 27 =

   Estimate: _____   Estimate: _____

5. Make an estimate then solve.

   642 ÷ 3 = _____   843 ÷ 20 = _____

   Estimate: _____   Estimate: _____

6. If you have a box of cookies that weighs 2lbs and 6 ounces, how many ounces does it weigh? Write an expression with grouping symbols to model the number story.

Number Model: _____

Answer: _____ ounces

7. Mr. Doyle is boxing up his cranberry sauce. He has 421 jars of sauce that he needs to put into boxes. The boxes hold 24 jars. How many boxes will he need?

Quotient: _____ Remainder: _____

How many boxes will he need? _____

Circle what do you need to do with the remainder?   Ignore it   Round the quotient up

8. **Solve the number riddle.**

I am a 5-digit number.
My 2 is worth 1,000.
My 5 is worth 500.
My 6 is worth 100 times as much as my 5.
My 4 is worth 4[10s].
My other digit is 1.

What number am I? ____ ____ , ____ ____ ____