

Calhoun County Schools  
Arnoldsburg Elementary School  
“Non-Traditional Instructional Day”


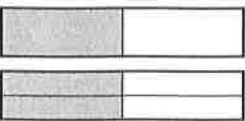

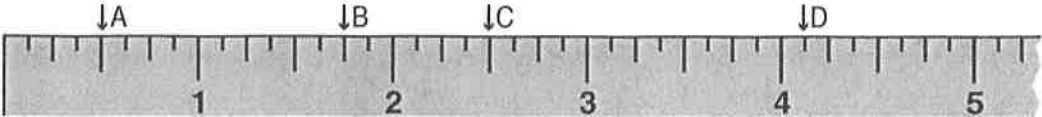
4<sup>th</sup> Grade  
Day 1

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

Instructions: Please complete one day at a time.  
You may return all five days completed, or one day  
at a time as you finish them.

Name \_\_\_\_\_

Score \_\_\_\_\_

<p><b>1</b> Basic Facts</p>	<p>3 + 8 =      16 - 8 =      2 x 8 =      3 x 3 =      18 ÷ 2 =                  4 + 5 =      14 - 9 =      2 x 5 =      4 x 4 =      12 ÷ 6 =                  9 + 6 =      12 - 7 =      0 x 6 =      5 x 5 =      4 ÷ 1 =</p>
<p><b>2</b> Algorithms</p>	<p>\$18.55      603      20      3)7      5 hrs 20 min                  + 26.09      - 99      x 4      - 2 hrs 45 min</p>
<p><b>3</b> Estimating Rounding</p>	<p>Round to the nearest dollar.                  \$8.98 ≈ _____      \$2.51 ≈ _____      \$9.78 ≈ _____                  \$6.49 ≈ _____      \$39.89 ≈ _____</p>
<p><b>4</b> Story Problems</p>	<p>Jose wants to be a vet, so he reads a lot. This month he read 14 books about dogs, 5 books about birds, 6 about other animals and 7 biographies. Of the books he read, how many more were about animals than people? </p>
<p><b>5</b> Equivalent Fractions</p>	<p> _____ = _____                  Multiply numerator and denominator by 2 to get an equivalent fraction.  <math>\frac{1}{3} =</math></p>
<p><b>6</b> Vocabulary Concepts Facts</p>	<p><b>Know and Spell</b>                  mile - inch                  pound - ounce                  equal                  minute - hour                  denominator                  total - difference</p> <p>A. The bottom number of a fraction is the _____.                  B. The four sides of a square must be of _____ length.                  C. 5280 feet is the same as one _____.                  D. When you add, the answer can be called the _____.                  E. A loaf of bread weighs about one _____.</p>
<p><b>7</b> Fractional Parts</p>	<p><math>\frac{1}{2}</math> of 6      <math>\frac{1}{2}</math> of 12      <math>\frac{1}{2}</math> of 0      <math>\frac{1}{2}</math> of 20      <math>\frac{1}{2}</math> of 10</p>
<p><b>8</b> Place Value Numeration</p>	<p>A. Write the number that is one more than 99. _____                  B. Write six thousand, five hundred ten. _____                  C. Complete the expanded notation. 4261 = 4000 + _____ + _____ + _____                  D. Write a 4-digit number with a 2 in the tens place. _____                  E. Arrange 5, 8, 3, and 2 to make the largest number. _____</p>
<p><b>9</b> Other Important Topics</p>	<p> A. It is _____ minutes after _____.                  B. In 45 minutes it will be _____ o'clock.                  C. One hour ago it was _____.                  D. Most children are asleep at 3:15 _____. (a.m. or p.m.)                  E. In ten minutes the time will be _____.</p>
<p><b>10</b> Rulers</p>	<p>A is at _____. B is at _____. C is at _____. D is at _____. Put E at <math>4\frac{3}{4}</math>.</p> 

## Test Your Skills

$$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

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$$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$



### Accuracy

- I got them all right!
- I missed a couple.
- I will practice these:  
(List up to 5 facts.)

### Efficiency

- I used these strategies:
- Build on known facts  
of x2, x5, x10
  - Double x3, x4, x6
  - Other

### Time

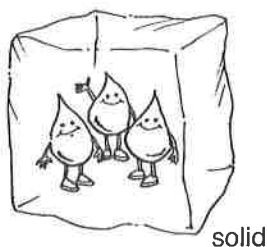
I finished in:

\_\_\_\_\_

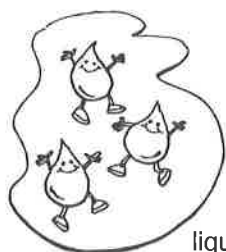
My next goal is:

\_\_\_\_\_

# States of Matter



solid



liquid



gas

## What Is Matter?

Matter is the material that makes up everything on Earth. Rocks, paper, wood, water, and even air are made of **matter**! Animals, plants, and people are made of matter, too.

Matter is made up of very tiny particles called **atoms**. You can't see these tiny particles. They are far too small. But millions and millions of atoms make up your body, this book, and your pencil. The milk you drink for lunch, your lunch tray, and your fork are also made of millions of atoms.

In some kinds of matter, all the atoms are the same. Matter that is made of all one kind of atom is called an **element**. There are over 100 known elements on Earth. Oxygen is one kind of element. Gold is another. All matter is made from these elements. Most matter, however, is made of a combination of elements. A combination of elements is called a **compound**. For example, when you mix together one part of the element sodium with one part of the element chloride, you get table salt. When

you combine two parts of the element hydrogen with one part of the element oxygen, you get water. Compounds are made up of groups of atoms called **molecules**. A single drop of water contains millions of water molecules!

## The States of Matter

Matter exists in one of three basic forms: **solid**, **liquid**, or **gas**. These are called the states of matter. The state of a substance, or material, depends on the behavior of its molecules. The same substance can exist as a solid, a liquid, or a gas, depending on the arrangement of its molecules.

### Solid

If the molecules that make up a substance are close together and pull on each other with a lot of force, the substance keeps its shape. The molecules don't move around very much at all. This kind of matter is called a solid. A block of wood is solid. A bowling ball is solid. A solid has a definite size and shape. Ice is an example of water in its solid state.

## Liquid

In a liquid, the molecules are farther apart. They do not pull so tightly together. The molecules in a liquid move around more freely. A liquid has a certain size or volume, but it does not keep its shape. Instead, it forms itself to the shape of any container you put it in. A liquid like water can pour or flow.

## Gas

The molecules in a gas are far apart. They move around easily, without pulling on each other very much at all. Gas has no shape or size of its own. It is sometimes hard to believe that gas is actually matter, but it really is. Take a deep breath. Feel the pressure of the air you have just inhaled as it fills your lungs. Or blow up a balloon and see how the gas presses on the insides of

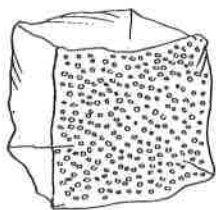
the balloon, making it expand. Water vapor that evaporates from a puddle on a hot summer day is an example of water in its gas state.

## Water in Different States

The same substance can exist as a solid, a liquid, or a gas. Water is a kind of matter that can change from one state to another. You can observe these changes. Take an ice cube out of the freezer and set it in on a saucer. Check it every few minutes. You will notice the solid turning to a liquid right before your eyes. Leave the saucer on the table for a day or two. You will notice that the water gradually disappears. It is changing into a gas and mixing with the air. You cannot see it, but it is still there.

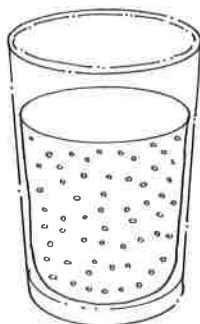
### Solid

The molecules in a solid are very close together.



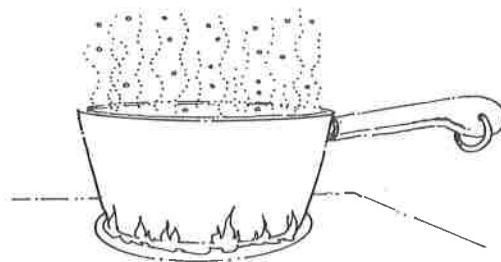
### Liquid

The molecules in a liquid are not as close together.

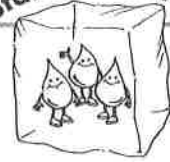


### Gas

The molecules in a gas are very far apart.



Name \_\_\_\_\_



## Questions about States of Matter

- Matter is made up of tiny particles called \_\_\_\_\_.
  - elements
  - atoms
  - solids
  - liquids
- Matter that is made of only one kind of atom is called \_\_\_\_\_.
  - a compound
  - a mixture
  - an element
  - a block
- Which one of these is **not** one of the states of matter?
  - gas
  - solid
  - liquid
  - heavy
- Molecules in a gas \_\_\_\_\_.
  - are tightly packed together
  - pull on each other with great force
  - move around freely
  - all of the above
- Ice is an example of water in which state of matter?
  - liquid
  - gas
  - cold
  - solid