

# Career Start 3

Fall 2003

Read about each career then answer the questions.



**My name is Lisa. I am an electronics engineer. I fix radios, televisions, computers and telephones. I design electrical equipment and do research. I also write and use computer programs to make new equipment .**

Answer the questions below.

1. Which person would work at a hospital? \_\_\_\_\_

2. Which person would you call if you wanted to build a new house?  
\_\_\_\_\_

3. Which job would use wires and circuits? \_\_\_\_\_

4. What two jobs describe using computers? \_\_\_\_\_  
\_\_\_\_\_

5. What job would you like to have? \_\_\_\_\_ Why? \_\_\_\_\_  
\_\_\_\_\_



**I am Jack. I am a professional surveyor. I measure the earth's surface. I work on roads and construction sites. I also collect information for maps and charts. When people want to build a new home, they call me to measure the land boundaries before they build.**



**My name is Mark . I work as a clinical laboratory technician . I perform tests used in the diagnosis and treatment of disease. I work in a lab performing the tests and enter the information into a computer. Some of the things I do include: drug testing, matching blood types, and checking for different types of bacteria. I use microscopes and other lab equipment to do my job.**

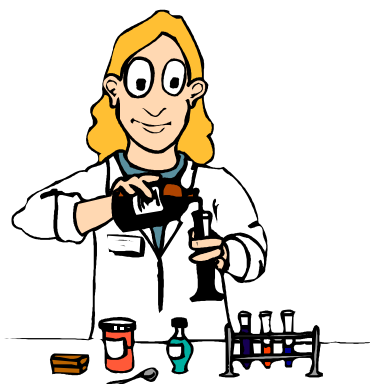
Science Matters: Each job below uses a type of measurement. Match the occupation to the correct description and the correct unit of measurement.



The architect uses a ruler to measure lines on his drawings. He measures length in \_\_\_\_\_.



The mechanic must put oil in the car. He measures volume in \_\_\_\_\_.



The welder uses a hot flame to melt steel. She measures the temperature on the welding machine in \_\_\_\_\_.



The truck driver must record how many miles he travels per hour. He measures time in \_\_\_\_\_.



The chemist must weigh different liquids and chemicals. She measures mass in \_\_\_\_\_.

liters

centimeters

minutes

degrees Celcius

grams

# Math Counts!

Each job below uses math.  
Help each person solve the problems below.

## Construction Worker



### Cashier

For each total the cashier was given \$5.00. What is the change for each?

1. \$4.25 \_\_\_\_\_
2. \$3.00 \_\_\_\_\_
3. \$1.25 \_\_\_\_\_
4. \$.50 \_\_\_\_\_
5. \$2.43 \_\_\_\_\_
6. \$3.33 \_\_\_\_\_

Where would a cashier work? \_\_\_\_\_

1. Tuesday the construction worker used 6 rows of 5 beams.  $6 \times 5 =$  \_\_\_\_\_

2. Wednesday she used 9 rows of 8 beams. \_\_\_\_\_  $\times$  \_\_\_\_\_ = \_\_\_\_\_

3. Thursday she used 7 rows of 5 beams. \_\_\_\_\_  $\times$  \_\_\_\_\_ = \_\_\_\_\_

4. Friday she used 4 rows of 8 beams. \_\_\_\_\_  $\times$  \_\_\_\_\_ = \_\_\_\_\_



How many beams were used in all? \_\_\_\_\_

What does a construction worker build? \_\_\_\_\_



### Software Engineer

Put the correct sign for the number of cds made on each line.

- |            |                   |
|------------|-------------------|
| 565 _____  | 898 _____         |
| 1000 _____ | 100 _____         |
| 7600 _____ | 865 _____         |
| 9999 _____ | 1000 _____        |
| 500 _____  | 5000 _____        |
| 3699 _____ | 456 _____         |
| 878 _____  | $100 + 778$ _____ |



What does a software designer create? \_\_\_\_\_

Write the correct fraction for each item below. The baker sold the following :

two thirds of the muffins: \_\_\_\_\_

six eighths of the cakes: \_\_\_\_\_

one half of the pies: \_\_\_\_\_

three fifths of the cookies: \_\_\_\_\_

four tenths of the bread: \_\_\_\_\_



### Baker

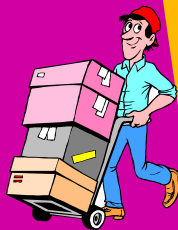
Complete each number sentence.  
The mover unloaded the following:  
 $3 + 5 = 8$  and  $8 -$  \_\_\_\_\_  $= 5$  boxes

$6 + 9 = 17$  and  $17 -$  \_\_\_\_\_  $= 6$  beds

$14 - 7 = 7$  and  $7 +$  \_\_\_\_\_  $= 14$  tables

$(21 + 9 + 30)$  and  $(30 - 9) =$  \_\_\_\_\_ chairs

Who does a mover help? \_\_\_\_\_



### Mover

Answer the questions below using the graph.

What is the total number of rocks for sandstone and granite? \_\_\_\_\_

How many rocks were found that were limestone? \_\_\_\_\_

What is the total number of rocks for gneiss and basalt? \_\_\_\_\_

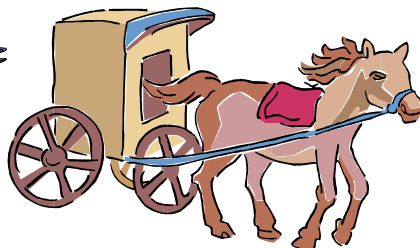
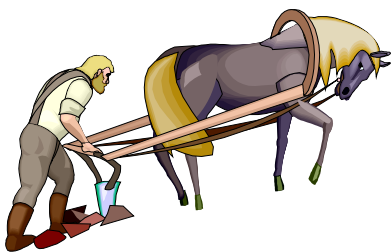
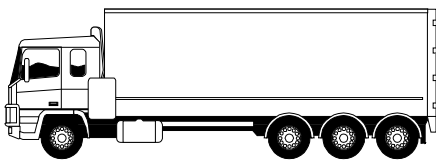
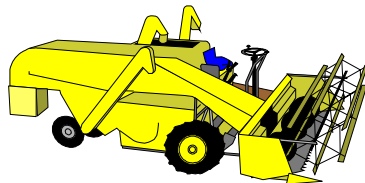
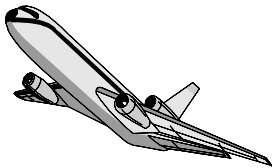
Name	# of rocks collected
Gneiss	12
Granite	19
Limestone	27
Basalt	14
Sandstone	8
Slate	6



### Geologist

# NOW & THEN

Match each occupation to the correct tools or machines used in the past and today.



I work as a customer service representative at the phone company.



I work as a mail carrier for the U.S. Postal Service.



I am an airplane pilot.



I am a forest fire fighter.



I run my family farm.

