



# Virginia Career VIEW

Virginia Tech, School of Education  
Funded by the Virginia Department of Education, Career and Technical Education

Want to learn more about MATH!?

Go to [www.vacareerview.org](http://www.vacareerview.org)



In Career Town, visit:

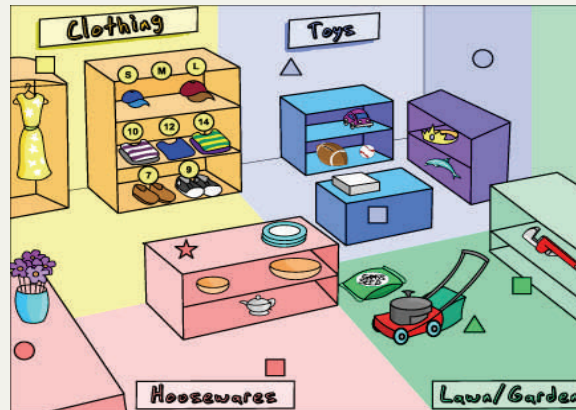
- [Career Mart](#)
- [Check Out Checkout](#)
- [Train Time 411](#)
- [Lemonade Stand](#)
- [Operation Excavation](#)



Play Games in Career Town!

Go to [www.vacareerview.org](http://www.vacareerview.org)

Click on 'Grades K-5' then select 'Career Town'



In Career Town, practice:

- Counting Money
  - Multiplying & Dividing
  - Telling Time
  - Measuring
- ...in real life situations!



## CAREER KIDS

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You can be a career counselor by dragging the best answer on the right to the correct kid on the left.

- 1. I read books about plants and how they grow. **Botanist**
- 2. I like to take pictures of animals and plants. **Photographer**
- 3. I really like to eat and mix up lots of recipes. **Cook**
- 4. I read books about planets and how they work. **Astronomer**
- 5. I like to take pictures of people and places. **Photographer**
- 6. I really like to eat and mix up lots of recipes. **Cook**
- 7. I read books about plants and how they grow. **Botanist**
- 8. I like to take pictures of animals and plants. **Photographer**
- 9. I really like to eat and mix up lots of recipes. **Cook**
- 10. I read books about planets and how they work. **Astronomer**

**PRINT**



Accountant



## Kid's Search



Economist

Play More Interactive Games!

Click on 'Grades K-5' then click '[Computer Career Games](#)'

Computer matching, mazes, puzzles & games!

Search Careers in Math!

Click on 'Grades K-5' then select '[Kid's Search](#)'  
Take the survey to see what [careers](#) might be right for you!

# Careers Count

Many careers use math every day.  
Learn about the careers below and answer the questions.

1. The **mechanic** charges \$20 per hour for labor. If he works 3.25 hours, how much are the labor charges?  
\_\_\_\_\_



2. The **forester** must cut down several trees that have died. He estimates that there are at least 15 trees per acre he needs to cut down. How many trees will he cut down on 5 acres? \_\_\_\_\_



3. The cashier rang up some of the items below twice. If the total amount before tax was 32.65, What two items did the cashier ring up twice?  
\_\_\_\_\_

Soda-\$3.55    Candy-\$4.12  
Milk-\$3.22    Fruit-\$5.48  
Rolls-\$2.75  
Cheese-\$3.88  
Cookies-\$2.55



4. The **shipping and receiving clerk** is unpacking bottled water. Her records show she was supposed to receive 8 cases of 24 bottles. The total number of bottles is 150. How many bottles is she missing? \_\_\_\_\_



5. The **contractor** has estimated that he will finish his building in 3 weeks if the workers can work each day, Monday -Friday. Due to bad weather, the workers miss 4 days. How much longer will the contractor need to finish the job? \_\_\_\_\_



6. The **chemical lab technician** analyzes drugs 3 days, plastics 1 day, and paints 4 days in this order. If the lab technician is given drugs to analyze beginning on a Tuesday, what is the first day he will analyze paints if he only works Mon.-Fri? \_\_\_\_\_



7. The **carpet layer** can install 35 square feet of carpet himself in 4 hours. Two carpet layers can install 80 square feet of carpet in 6 hours. If you wanted your carpet installed quickly, would you choose 1 or 2 carpet layers?  
\_\_\_\_\_

Why? \_\_\_\_\_



8. The **veterinary assistant** works 3 hours feeding and caring for the animals in the morning and 4 hours in surgery in the afternoon. If she comes in at 7:00AM and takes one hour for lunch, what is the earliest time she could leave in the afternoon?  
\_\_\_\_\_



9. The **welder** must connect at least 30 beams a day to frame out a building. If she connects 4 each hour and she works 8 hours will she meet her goal?  
\_\_\_\_\_

How many beams will she connect in all each day? \_\_\_\_\_



# 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