

## ACTIVITY 13.1

### Accounting Firm

You run a top accounting firm that is in need of additional workers. Tax season is rapidly approaching and your staff simply cannot handle the volume of work that your company has taken on in the last three months. Any workers you hire must be highly proficient at solving basic mathematical problems. You are looking for workers who can solve problems quickly and accurately. The more problems they can solve, the more money they can potentially earn for your firm.

Each worker will be required to take your Basic Math Skills Test as a prerequisite to being hired. The three of you, along with the three employer representatives from the construction company, will conduct, monitor, and score the tests of each worker. All tests will be conducted simultaneously. The teacher will read test instructions (Activity 13.4) to the workers prior to beginning the testing process.

Upon completion, you will grade each test and write the score on the worker's résumé (Activity 13.3).

Each worker will bring a résumé for your review as part of his or her job search.

You are free to hire as many workers as you want, at any wage you dictate, as long as that wage is not below \$8. All wages must be in \$1 increments.

Workers who have good math skills are more productive. *Based on experience, you know your firm earns \$2 for each point on the Basic Math Skills Test found on worker résumés.*

Example: If a potential worker has a score of 7 on her resume, she would earn your company \$14 ( $7 \text{ [points]} \times \$2 = \$14$ ). If you were to pay this worker a wage of \$8, your firm would make a profit of \$6 ( $\$14 \text{ [earnings]} - \$8 \text{ [wage]} = \$6 \text{ [profit]}$ ). If you were to pay that same worker \$12, your firm would make only \$2 ( $\$14 \text{ [earnings]} - \$12 \text{ [wage]} = \$2 \text{ [profit]}$ ).

(Note: The workers and other companies DO NOT know how much your firm earns. This information does not need to be shared with anyone outside of your group.)

## ACTIVITY 13.2

### Construction Company Round I

You run a construction company that needs additional workers. Any workers you hire must have good hand/eye coordination in order to do the job effectively. You are looking for workers who can quickly move materials from Point A to Point B. The more materials a worker can move, the higher profit he or she earns for your company.

Each worker will be required to take your Hand/Eye Coordination Test as a prerequisite to being hired. The three of you, along with the three employer representatives from the accounting firm, will conduct, monitor, and score the tests of each worker. Testing will be conducted by the six employer representatives simultaneously. The teacher will read test instructions (Activity 13.5) to the workers prior to beginning the testing process.

Upon completion of the tests, you will grade them and write the scores on the worker résumés (Activity 13.3).

Each worker will bring a résumé for your review as part of his or her job search.

You are free to hire as many workers as you want, at any wage you dictate, as long as that wage is not below \$8. All wages must be in \$1 increments.

Workers who have good hand/eye skills are more productive. *Based on experience, you know your company earns \$2 for each point on the Hand/Eye Coordination Test found on worker résumés.*

Example: If a potential worker has a score of 7 on his resume, he would earn your company \$14 ( $7 \text{ [points]} \times \$2 = \$14$ ). If you pay this worker \$8, your company will make \$6 profit ( $\$14 \text{ [earning]} - \$8 \text{ [wage]} = \$6 \text{ [profit]}$ ). If you pay that worker \$12, your company will make only \$2 profit ( $\$14 \text{ [earnings]} - \$12 \text{ [wage]} = \$2 \text{ [profit]}$ ).

(Note: The workers and other companies DO NOT know how much your firm earns. This information does not need to be shared with anyone outside of your group.)

## ACTIVITY 13.3

### Résumé Score Sheet

You are a recent college graduate with a double major in accounting and construction technology. Your goal is to find work at a reputable firm that will pay you a wage that will allow you to earn a living.

#### Rules

1. You must complete the Basic Math Skills Test and a Hand/Eye Coordination Test to be considered for a job. The higher you score on these tests, the more attractive you will be to potential employers.
2. You must also complete a “Worker Résumé” before speaking with potential employers.
3. If you decide to sell your labor it must be in \$1 increments (\$8, \$9, \$10 \$11, \$12, etc.)
4. A wage rate lower than \$8 per hour is below the minimum wage rate in your state.

#### Worker Résumé

|   |                    |
|---|--------------------|
| <b>Name:</b> _____                            |                    |
| <b>Basic Math Skills Test Score</b> _____     |                    |
| <b>Hand/Eye Coordination Test Score</b> _____ |                    |
| <b>Employment Record</b>                      |                    |
| <b>Round 1: Employer:</b> _____               | <b>Wage:</b> _____ |
| <b>Round 2: Employer:</b> _____               | <b>Wage:</b> _____ |

**ACTIVITY 13.4****Basic Math Skills Test****Instructions**

Answer all questions as quickly and accurately as possible. As soon as you are done, raise your hand and say, “Done.” As soon as the first four people say, “Done,” testing will end for all test takers. Tests will be graded by the employers. You will earn one point for each correct answer.

No calculators allowed. Testing will be limited to four minutes.

**Basic Math Skills Test**

$$\begin{array}{r} 1. \quad 75 \\ \times 23 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 91 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 987 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 83 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 867 \\ + 32 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 5,688 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 4,545 \\ - 222 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 77 \\ - 66 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 8,209 \\ - 77 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 3,400 \\ \times 4 \\ \hline \end{array}$$

**ACTIVITY 13.4****Basic Math Skills Test (KEY)**

$$\begin{array}{r} 1. \quad 75 \\ \times 23 \\ \hline 1,725 \end{array}$$

$$\begin{array}{r} 6. \quad 91 \\ \times 5 \\ \hline 455 \end{array}$$

$$\begin{array}{r} 2. \quad 987 \\ \times 5 \\ \hline 4,935 \end{array}$$

$$\begin{array}{r} 7. \quad 83 \\ \times 6 \\ \hline 498 \end{array}$$

$$\begin{array}{r} 3. \quad 867 \\ + 32 \\ \hline 899 \end{array}$$

$$\begin{array}{r} 8. \quad 5,688 \\ + 9 \\ \hline 5,697 \end{array}$$

$$\begin{array}{r} 4. \quad 4,545 \\ - 222 \\ \hline 4,323 \end{array}$$

$$\begin{array}{r} 9. \quad 77 \\ - 66 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 5. \quad 8,209 \\ - 77 \\ \hline 8,132 \end{array}$$

$$\begin{array}{r} 10. \quad 3,400 \\ \times 4 \\ \hline 13,600 \end{array}$$

## ACTIVITY 13.5

### Hand/Eye Coordination Test

#### Instructions

You will be given 10 beans to throw in a cup, one at a time. You will have 30 seconds in which to attempt all 10 throws. Each bean that lands in the cup earns one point. Each bean can be thrown one time only.

(Note: All throws must be from behind a line that is 3 feet (36 inches) from the cup.)

All potential workers will line up in one of six lines. Each line will work with one employer. Workers should remain quiet while awaiting their turn to throw the beans. Not following this rule could disqualify you.



## ACTIVITY 13.7

### Construction Company Round 2

You run a construction company that needs more workers. Any workers you hire must have good hand/eye coordination in order to do the job effectively. You are looking for workers who can quickly move materials from Point A to Point B. The more materials a worker can move, the higher the profit they will earn for your company.

Each worker will be required to take your Hand/Eye Coordination Test as a prerequisite for hiring.

You are free to hire as many workers as you want at any wage you dictate, as long as that wage is not below **\$8**. All wages must be in \$1 increments.

Because of an increase in the demand for housing, your company earns more for the homes it constructs. *Because of this, your firm now earns **\$4 for each point** on the Hand/Eye Coordination Test found on worker résumés.*

Example: If a potential worker has a score of 7 on his résumé, he would earn your company \$28. ( $7 \text{ [points]} \times \$4 = \$28.00$ ). If you pay this worker \$8, your company will make a profit of \$20 ( $\$28 \text{ [earnings]} - \$8 \text{ [wage]} = \$20 \text{ [profit]}$ ). If you paid that same worker \$12, your company would make \$16 profit ( $\$28 \text{ [earnings]} - \$12 \text{ [wage]} = \$16 \text{ [profit]}$ ).

(Note: The workers and other companies DO NOT know exactly how much your company earns. This information does not need to be shared with anyone outside of your group.)