## Puecwork

Some workers are paid by piecework, that is, they are paid based on each unit they produce or sell. Earnings may be based on salary plus piecework or straight piecework.

Salary plus Piecework


Name: Randy
Company: Assistant Supervisor at Sunnyvale Trailer Park
Salary Earnings: \$10 000 per year
Piecework Earnings: $\$ 7$ per lawn mowed

Example 1:

Randy earns \$10000 per year to work at Sunnyvale Trailer Park as an Assistant Supervisor. Part of his job is to mow the lawns of the people who live in the trailer park. He earns $\$ 7$ for every lawn he mows. If Randy mows 300 lawns, how much money can he expect to earn this year?

| Step 1: What are his guaranteed earnings? |  |
| :---: | :--- |
| Step 2: What were his piecework earnings? |  |
| Total Earnings |  |

## Straight Piecework



Name: Bubbles

Company: Shopping Cart Repair
Salary Earnings: \$0

Piecework Earnings: \$5 per fixed cart

Example 2:

Bubbles has his own shopping cart repair business. For each shopping cart Bubbles repairs, the Mall pays him \$5. How much money will Bubbles make in a week if he can repair 11 carts per day?

| Step 1: What are his guaranteed earnings |
| :---: | :---: |
| per week? | (Step 2: What are his piecework earnings | per day? |
| :---: |

If it takes Bubbles 7 hours a day to do his work, what is his hourly rate? Is he paid enough for his time?

## Practice

1. Mark works at a rock concert selling programs. He is paid $\$ 15$ for the night plus $\$ 0.20$ for each program that he sells. He sells 150 programs.
a. How much does he earn working at the rock concert?
b. If he works from 7:00 pm and finishes at 2:00 am, how much did he earn per hour?
2. Orchards employ workers to prune trees. They pay the workers from $\$ 2$ to $\$ 3$ per tree for this service.
a. During Harry's first week of work, he prunes 150 trees at $\$ 2$ per tree for this service. What are his earnings for the week?
b. Milan is experienced at pruning trees. He prunes 300 trees at $\$ 2.50$ per tree in one week. What are his earnings for the week?
3. Worm pickers are paid from $\$ 20$ to $\$ 30$ per 1000 worms picked. The rate varies from evening to evening.
a. One evening Paige is paid $\$ 28$ per 1000 worms picked. She picks 5000 worms. What are her earnings for the evening?
b. Challenge: Arvin earns $\$ 168$ the same evening. How many worms did he pick?
4. Tony builds IKEA furniture for a living. On Monday, he builds 300 chairs and is paid $\$ 0.65$ per chair.
a. What are his earnings for Monday?
b. If he builds 300 each day from Tuesday to Friday as well, what would his earnings be for the week?
c. Tony works 50 weeks a year. If he makes the same number of chairs each week, how much will he earn in a year?
