**Working and Earning: 1.2 Piecework, Hourly Rate and Overtime Rate**

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

**Example 1**

Al works part time at a large sports facility selling magazines. He is paid by piecework. He earns $15 per game plus 30¢ for each magazine he sells.

Find Al’s total earnings when he sells 113 magazines at one game.

Solution:

**Step 1:** Calculate his piecework earnings

**Step 2:** Calculate his total earnings

**Example 2:**

Mary builds wheelbarrows. One day she builds 100 wheelbarrows and is paid $2.50 per wheelbarrow.

a) What are her earnings?

b) If she builds 100 wheelbarrows for 20 straight workdays, what are her earnings during this time?

c) Mary works 100 days a year. If she makes the same number of wheelbarrows each day, how much will she earn in a year?

Your Turn!!

1) Mary Beth is paid 9¢ for each envelope she stuffs. One week she was able to stuff 3276 envelopes. What was Mary Beth’s pay for the week?

Earnings = Piece rate × # of items

2) Blair has a job at Wal‐mart assembling bikes. He is able to assembly 7 bikes per day.

a. If he is paid $8.50 for each bike he assembles, how much would he make for one days’ work?

b. At this rate how much will Blair make for a 6 day work week?

2) Johnny is paid $18 a day plus 75¢ for each item he sells. Johnny sells 244 items on Monday. What are Johnny’s earnings for Monday?

Earnings = Salary + (Piece rate × # of items)