

GMF 10

Lesson 2.2 (1)

Warm up:

Mental Math and Estimation

How many hours are there in a work week that is made up of five 7.5-hour days? How many hours would that be in a year?

$$7.5 \times 5 = 37.5$$

Aug 13-12:28 AM

Alternative Ways to Earn Money

2.2

NEW SKILLS: WORKING WITH INCOME OPTIONS

Not all working people earn wages or a salary. There are other ways to earn income, including **piecework**, **commission**, **salary plus commission**, and **contract work**.

For more information, see page 64 of *MathWorks 10*.

Example 1

Greg works as a tree planter during the summer and he earns his income through piecework. He is paid \$2.50 for each seedling he plants. If he plants 45 seedlings in a day, how much will he earn?

SOLUTION

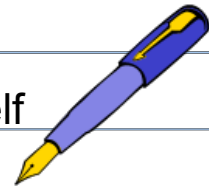
Multiply \$2.50 by 45.

$$\$2.50 \times 45 = \$112.50$$

He will earn \$112.50 that day.

Feb 3-8:23 PM

Self-employed: a person who works for himself or herself rather than for an employer.



What are some advantages to being Self-employed?

What are some of the disadvantages?

Feb 13-4:41 PM

Piecework: when someone is paid a set rate for an amount produced.



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Workbook pg. 87

BUILD YOUR SKILLS

1. Thomasina knits sweaters and sells them in her craft shop. She has been hired to knit sweaters for a team of 4 curlers and their spare. If she charges \$75.50 for a large sweater and \$69.75 for a medium sweater (because they require different amounts of wool), how much will she earn if she knits 3 large and 2 medium sweaters?

$$3 \times 75.50 = 226.50$$

$$2 \times 69.75 = 139.50$$

$$\underline{\$366.00}$$

Feb 3-8:27 PM


BUILD YOUR SKILLS

4. Jorge is an auto detailer. If each job costs the same amount and his office grossed \$3048.00 on 12 jobs, what was the cost per job?

$$\frac{\$3048.00}{12 \text{ jobs}} = \$254.00 \text{ / job}$$

Feb 3-8:29 PM

Commission: an amount, usually a percentage, paid to someone for a business transaction.



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Example 2

Gwen works as a sales clerk in a clothing store. She earns a base salary of \$10.00/h plus a 15% commission on the price before taxes of each item she sells. Her work day is 8 hours. One day, Gwen sells a suit with a price of \$625.00, a sweater priced at \$95.00, 3 T-shirts that cost \$45.00 each, and a raincoat priced at \$225.00. How much does she earn that day?

Total sales: \$1080

Commission: 15% of 1080
 $0.15 \times 1080 = 162$

$$\begin{array}{r}
 10.00/h \times 8 \text{ hrs} \\
 - \$80 \\
 \hline
 \boxed{\$242}
 \end{array}$$

↓ x3

Feb 19-2:17 PM

Workbook pg.90

BUILD YOUR SKILLS

7. Peter works in a sporting goods store and earns 12% commission on his sales. How much does he make on a bicycle that sells for \$785.95?

$$12\% \text{ of } 785.95?$$
$$0.12 \times 785.95 = \boxed{\$94.31}$$

Feb 3-8:31 PM

Homework

Workbook:

Pg. 88 (Q. 2 & 3);

Pg. 89(Q. 5 & 6);

Pg. 90-91 (Q. 8 &9)

Aug 13-12:40 AM