

Lesson 1 Skills Practice

Representing Relationships

1. **EXERCISE** A fitness instructor exercises about 15 hours per week.

- Write an equation to find the total number of hours h the instructor exercises in any number of weeks w .
- Use the equation to determine the total number of hours the instructor will exercise in 9 weeks.

Weeks, w	Total Hours, h
1	15
2	30
3	45
4	60

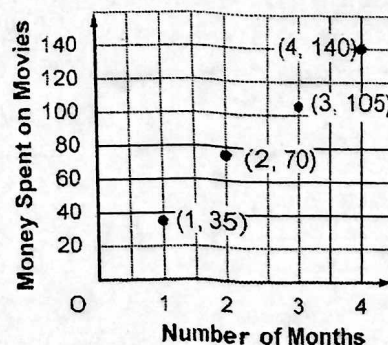
2. **HOUSES** A real estate company sells 8 houses per month.

- Write an equation to find the total number of houses h sold in any number of months m .
- Use the equation to determine how many houses are sold in 15 months.

Months, m	Total Houses, h
1	8
2	16
3	24
4	32

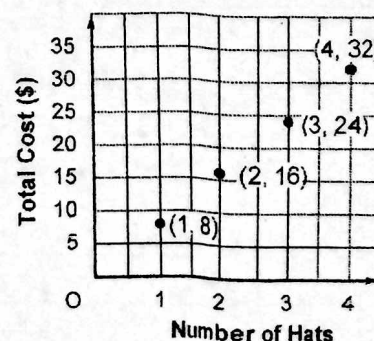
3. **MOVIES** The graph shows the amount of money the Zimmerman family spends on movies each month.

- Write an equation to find the total amount of money c spent on movies in any number of months m .
- Use the equation to determine how much they will spend on movies in one year.



4. **SALES** The graph shows the total cost of hats that are on sale at Hats Bonanza.

- Write an equation to find the total cost c of any number of hats h .
- Use the equation to find the cost of 30 hats.



Lesson 1 Homework Practice

Representing Relationships

1. PRODUCTION A manufacturer produces 950 light bulbs per day.

a. Write an equation to find the number of bulbs b the manufacturer makes in any number of days d .

b. Use the equation to determine how many bulbs the manufacturer will make in 25 days.

Days, d	Bulbs, b
1	950
2	1,900
3	2,850
4	3,800

2. WATER The workers at a plant drink 38 gallons of water per day.

a. Write an equation to find the number of gallons g the workers drink in any number of days d .

b. Use the equation to determine how many gallons of water the workers will drink in 30 days.

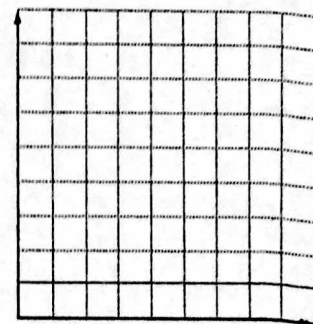
Days, d	Gallons, g
1	38
2	76
3	114
4	152

3. ALLOWANCE Chet gets \$12 per week as allowance.

a. Write an equation to find the amount of allowance a Chet receives in any number of weeks w .

b. Make a table to find the amount of allowance Chet receives in 5, 6, 7, or 8 weeks. Then graph the ordered pairs.

Weeks, w	Allowance, a



4. MEASUREMENT There are 16 ounces in a pound.

a. Write an equation to find the number of ounces o in any number of pounds p .

b. Make a table to find the number of ounces in 2, 3, 4, or 5 pounds. Then graph the ordered pairs.

Pounds, p	Ounces, o

