

Skills Practice

Representing Relationships

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

a. Write an equation to find the total number of hours h the instructor exercises in any number of weeks w .
 $h = 15w$

b. Use the equation to determine the total number of hours the instructor will exercise in 9 weeks.
135 h
2. **HOUSES** A real estate company sells 8 houses per month.

a. Write an equation to find the total number of houses h sold in any number of months m .
 $h = 8m$

b. Use the equation to determine how many houses are sold in 15 months. **120 houses**
3. **MOVIES** The graph shows the amount of money the Zimmerman family spends on movies each month.

a. Write an equation to find the total amount of money c spent on movies in any number of months m . **$c = 35m$**

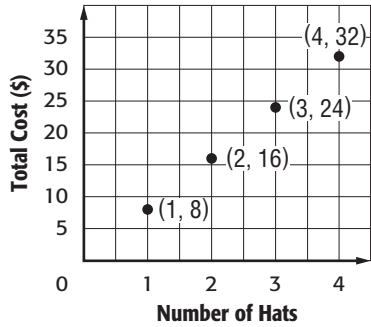
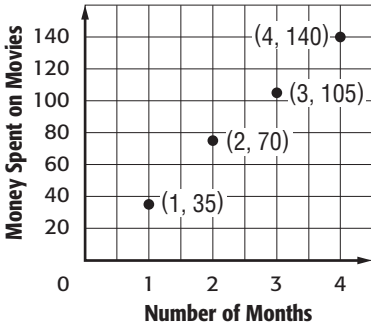
b. Use the equation to determine how much they will spend on movies in one year. **\$420**
4. **SALES** The graph shows the total cost of hats that are on sale at Hats Bonanza.

a. Write an equation to find the total cost c of any number of hats h . **$c = 8h$**

b. Use the equation to find the cost of 30 hats.
\$240

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

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



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