

Lesson 1 Problem-Solving Practice

Representing Relationships

- 1. MEASUREMENT** Use the table to write an equation to find the number of inches i in any number of meters m . Use the equation to find the number of inches in 9 meters.

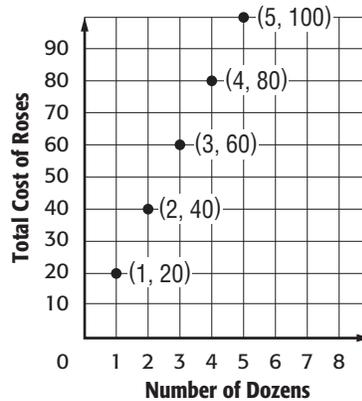
Meters, m	Inches, i
1	39
2	78
3	117
4	156

- 2. TOOLS** The table shows the total cost for a band saw and extra blades. Write an equation to find the total cost c of a band saw with any number of extra blades e . Use the equation to find the cost of a band saw with 10 extra blades.

Number of Extra Blades	Total Cost (\$)
0	150
1	154
2	158
3	162

- 3. AQUARIUM** An aquarium costs \$85 plus \$2 per fish. Write an equation to find the cost c of an aquarium plus any number of fish f . Make a table to find the cost of an aquarium plus 3, 4, 5, or 6 fish.

- 4. SALES** A florist sells roses by the dozen. Write an equation to find the total cost c of r dozens of roses.



- 5. BOATING** Boat rentals are \$50 plus \$4 per hour. Write an equation to find the total cost c to rent a boat for any number of hours h . Make a table to find the cost of renting a boat for 4, 5, 6, or 7 hours.

- 6. SWIMMING** Private swimming lessons cost \$30 per visit plus \$3 per child in the group. Write an equation to find the total cost t of a swimming lesson for any number of children c . Make a table to find the cost of a lesson for 1, 2, 3, or 4 children.