

Practice 1-4 Patterns and Functions

The relationships in the tables below are functions. Write a function rule for each.

1.

Number of Baseball Teams	Number of Players Required
1	9
2	18
3	27
4	36

2.

Number of CDs Purchased	Total Cost
1	\$13
2	\$26
3	\$39
4	\$52

3.

Number of Homework Questions	Number of Minutes for Homework
1	25
2	30
3	35
4	40

4.

Number of Rides Taken	Cost of Fair
1	\$10.00
2	\$12.50
3	\$15.00
4	\$17.50

Identify the independent and dependent quantity in each situation.

- The amount of money earned babysitting increases with the number of hours spent babysitting.
- The cost of a skating party increases with the number of people attending the party.
- The volume of water in a bathtub decreases with the number of minutes it has been draining.
- The number of people attending the event decreases with the total cost for tickets.

Complete each table. Then write a function rule for each relationship.

9.

Number of Cases of Water	Number of Bottles of Water
1	24
2	48
3	72
4	
5	

10.

Number of Minutes	Cost of Phone Call
1	\$.60
2	\$.70
3	\$.80
4	
5	

Function Rule: _____

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