Name: _____ **Date:** _____

5 Number Patterns in Spreadsheets

Goal Create and identify patterns in spreadsheets.

Yoshi is starting a new spreadsheet for a school sale of used equipment that includes small beanbags, medium hula hoops, and large basketballs.

	A	B	C	D
1	Sports equipment sale prices			
2	Number of items	Small	Medium	Large
3	1	$1.20	$2.40	$4.40
4	2	$2.40	$4.80	$8.80
5	3	$3.60	$7.20	$13.20
6	4	$4.80	$9.60	$17.60
7	5			
8	6			
9	7			
10	8			

At-Home Help

Spreadsheets are columns of data that are related. Each number in a spreadsheet has its own cell. To extend the numbers in a column, use one or more operations.

For example:
cost of 3 red shirts in cell
B5 = B3 + B4, or B5 = B3 × A5
total cost in cell D3 = B3 + C3

	A	B	C	D
1	Shirt prices			
2	Number of shirts	Red	Green	Total cost
3	1	$10.00	$15.00	$25.00
4	2	$20.00	$30.00	$50.00
5	3	$30.00	$45.00	$75.00

1. Complete the spreadsheet.

2. Write a pattern rule for column B by looking at the numbers in that column. Then write a pattern rule for columns C and D.

_____

_____

_____

3. Calculate the total cost. Show your work.

   a) 6 small items and total cost

   b) 3 small items, 2 medium items, and 7 large items and total cost

   c) 10 items of each size and total cost

4. How can you get the answer in cell C5 from other cells?