

Problem Solving: Use Objects and Make a Table

For **1** through **3**, use the table to the right.

- Jade collected 45 seashells when she was at the beach. She wants to arrange them so there will be an equal number on each shelf. Complete the table to the right.
- Does the table to the right show all possible ways Jade can put her seashells on shelves in equal numbers? If not, what are all the other ways?

Number of shelves	Shells per shelf	Number of shells
	15	45
5		45
9		45

- Adam has a large piece of paper. After he folds it once he has 2 equal sized pieces. After he folds it twice he has 4 equal sized pieces. Use the table below to find out how many equal sized pieces he has after folding the paper 6 times.

Folds	0	1	2	3	4	5	6
Number of pieces	1	2	4				

- On a computer game it takes Lance 20 minutes to beat a level and it takes Diane 15 minutes. If the game has 5 levels how many more minutes will it take Lance to beat the game? Use a table to help get your answer.

A 100 **B** 75 **C** 25 **D** 15

- Writing to Explain** If you know one possible combination of shelves and number of shells on a shelf, why do you already know another combination?
