

Algebra**Complete the table.**

1	x	3	5	6	9	12	40
	x^2	9	25	36	81	144	1,600
	$x + 1$						
	$x - 1$	2	4	5	8	11	39
	$(x + 1)(x - 1)$						

2	x	7	15	19	23	36	51
	x^2						
	$x + 1$						
	$x - 1$						
	$(x + 1)(x - 1)$						

3 Describe the pattern shown in the tables above.

Problem Solving**Use a strategy and solve.**

4 Benji has a piece of licorice that he wants to share with 5 friends. The piece is 18 inches long. In order to make equal pieces for his friends and himself, how many times will he need to break the piece of licorice?

5 An index card is 4 inches by 6 inches. What is the greatest number of index cards that can completely fill a sheet of paper that is 8 inches by 12 inches?
