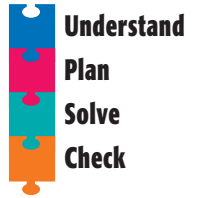


Problem Solving Strategy

Look for a Pattern

NCTM Standards 1, 2, 6, 8, 9



- 1 The Rockin' Rock Candy machine only takes nickels. There is no sign on the machine telling you how many candies you will get for each nickel.

The table shows the number of candies given for 1 nickel, 2 nickels, and 6 nickels. Complete the table to show the number of candies you will get for 25¢, 15¢, and 50¢. Write the rule.

Nickels	1	2	6				x
Candies	6	10	26				

- 2 Jon and Peter each saved a certain amount of money each week. Complete the tables. How many weeks did it take each boy to save \$60?

JON

Weeks	3	6	8		x
Dollars Saved	18	36	48	60	

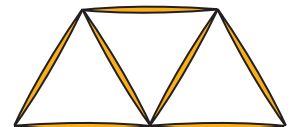
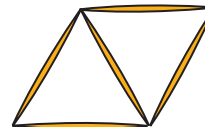
_____ weeks

PETER

Weeks	3	6	8		x
Dollars Saved	15	30	40	60	

_____ weeks

- 3 Use the toothpick patterns of triangles to complete the table and write the rule.



Number of Triangles	1	2	3	4	6	8	x
Number of Toothpicks	3	5					