

Reteach

Problem Solving: Make a Table

For a design, Mara draws 3 hexagons in the first row. She then doubles the amount of hexagons in the next row. If her design has 6 rows, how many hexagons will she have drawn in all?

Understand Read the problem. Identify the important information.

What facts do you know?

What do you need to find?

Plan Make a plan for solving the problem.

One way to solve this problem is to make a table showing the number of hexagons in the first row. Then double the amount to find the next row. Finally, add to find the total number of hexagons.

Solve Follow your plan. Solve the problem.

Make a table like the one shown below. Mara draws 3 hexagons in the first row.

Row	1	2	3	4	5	6
Number of Hexagons	3					

$\underbrace{\hspace{1.5em}}_{\times 2}$
 $\underbrace{\hspace{1.5em}}_{\times 2}$
 $\underbrace{\hspace{1.5em}}_{\times 2}$
 $\underbrace{\hspace{1.5em}}_{\times 2}$
 $\underbrace{\hspace{1.5em}}_{\times 2}$

Multiply 3 by 2 to find the amount in the next row. Continue the pattern. Add the total number of hexagons:

$$3 + \underline{\hspace{1em}} + \underline{\hspace{1em}} + \underline{\hspace{1em}} + \underline{\hspace{1em}} + \underline{\hspace{1em}} = \underline{\hspace{1em}}$$

Check Look back to see if your answer makes sense.

Reread the problem. Check that the answer makes sense.

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Problem Solving: Make a Table (continued)

Solve. Use the *make a table* strategy.

1. Last week, Fran sold 360 apples at her fruit stand. She sold half as many peaches as apples. She sold twice as many oranges as pears. For every pear she sold, she sold 3 apples. Use a table to show how many of each fruit Fran sold last week.

Fruit Sold	
Fruit	Amount
Apples	360
Oranges	
Pears	
Peaches	

A meteorologist records the high temperature, in degrees Fahrenheit, each day.

2. Between which two days did the greatest temperature change occur?

3. Between which two days did the least temperature change occur?

Day	Temperature (°F)	Day	Temperature (°F)
1	90	6	79
2	86	7	83
3	91	8	76
4	94	9	83
5	88	10	90

Daisy is saving money to purchase a new game. Each week she triples the amount she saved the previous week. The first week she saved \$3.

4. Complete the table that shows the amount Daisy saves each week.

5. How much does she save during Week 4?

6. During which week does Daisy save over \$2,000?

Week	Amount Saved
1	\$3
2	
3	
4	
5	
6	
7	