

AS EASY AS PIE!

The answer to a problem may be found by recognizing a pattern. Read the problem carefully. Look for a pattern. Then, write the rule that makes and completes the pattern. Solve the problem.

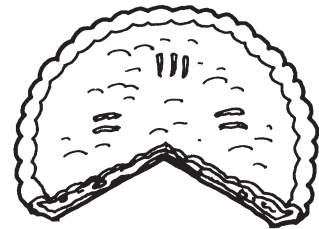
Step 1: Read the problem.

Mark made pies for a bake sale. He made 96 pies the first week, 48 pies the next week, 24 pies the 3rd week, and 12 pies the 4th week. How many pies did he make the 5th week and 6th week?

Step 2: Determine the relationship.

$96, \quad 48, \quad 24, \quad 12, \dots$

 $\quad \quad \quad \div 2 \quad \quad \div 2 \quad \quad \div 2$



Step 3: Write the rule. Divide by 2.

Step 4: Solve the problem.

$12 \div 2 = 6$ $6 \div 2 = 3$ Mark made 6 pies the 5th week and 3 pies the 6th week.

Directions

Find a pattern to solve these problems.

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|---|---|
| <p>1. Smith’s Ice Cream Shop is having a special give-away. Each time someone orders a scoop of ice cream, Mr. Smith gives away free toppings! LaNelle ordered 9 scoops and received 3 free toppings. Willy ordered 6 scoops and received 2 free toppings. If Emil orders 12 scoops of ice cream, how many free toppings will he get? _____</p> | <p>2. The Smiths sponsor a race. Their daughter Sandra is Runner C. Runner A is number 256, Runner B is number 64, and Runner D is number 4. What is Sandra’s number? _____</p> |
| <p>3. The first-place winner in the marathon gets \$250; second gets \$50; third gets \$10. How much does the fourth-place runner get? _____</p> | |

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Answer Key

1. 4 free toppings
2. 16
3. \$2.00

