

Steps and Strategies Intro

Teaching Strategies

Day 3 - Find a Pattern

Begin by displaying the Strategies and Steps again. Tell students that they are going to practice a few problems that involve discovering patterns. After they read the first problem, teach them how to make a chart to organize their facts. One way to chart this information is as follows:

Day	1	2	3	4	5	6	7	8
Shells	5	8	11	14	17	21	24	26

Repeat with the second problem, but this time let the students create their own charts. Check to make sure everyone has the correct answer.

Practice Problem Answers: #1 - 26 shells #2 - 40°


Day 4 - Guess and Check


The key to solving Guess and Check problems is to make an organized list of your guesses and results. For example, in the first problem, you need to guess the cost of the banana and multiply by 2 to get the cost of the apple. Then you have to add both numbers to get a sum of 90 cents. A chart with 4 columns works well for this problem:

Cost of Banana B	Cost of Apple $A = B \times 2$	Total $B + A$	Result
45¢	90¢	\$1.35	High
20¢	40¢	80¢	Low
30¢	60¢	90¢	Correct

Practice Problem Answers: #1 $B = 30¢$ $A = 60¢$ #2 4, 5, and 6


Daily Math Puzzlers Find a Pattern

1) Yolanda found 5 shells one day, 8 shells the next day, 11 shells the 3rd day, and so on. How many shells did she find on the 8th day? 

2) The temperature rose at a steady rate all morning. At 9 a.m. it was 30°, at 9:30 a.m. it was 32°, at 10:00 it was 34°, and so on. What was the temperature at 11:30 a.m.? 

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Daily Math Puzzlers Guess & Check

1) Thomas bought an apple and a banana. Both items together cost 90¢. The apple cost twice as much as the banana. How much was the apple? 

2) Becky rolled 3 dice and they all showed different numbers. She added the numbers and came up with a sum of 15. What 3 numbers did she roll? 