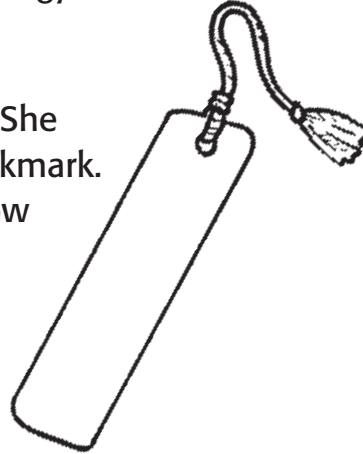


Lesson 6 Reteach

Problem Solving: Guess, Check, and Revise

If you want to solve a problem, it is important to have a plan. You can use the *guess, check, and revise* strategy to solve problems.

Ella is making bookmarks for the school fair. She needs 10 centimeters of ribbon for each bookmark. There is a meter of ribbon on each spool. How many bookmarks can she make out of one spool of ribbon? (*Hint*: Remember there are 100 centimeters in a meter.)



<p>Step 1 Understand</p>	<p>What facts do you know?</p> <ul style="list-style-type: none"> • Each bookmark uses 10 centimeters of ribbon. • There is a meter of ribbon on each spool. <p>What do you need to find?</p> <ul style="list-style-type: none"> • How many bookmarks can be made from a spool of ribbon?
<p>Step 2 Plan</p>	<p>You can use the <i>guess, check, and revise</i> strategy. Guess how many bookmarks you can make, and check the answer with division.</p>
<p>Step 3 Solve</p>	<p>Each bookmark is 10 centimeters. Each spool holds 1 meter of ribbon. Since 1 meter = 100 centimeters, we can guess that we can make 10 bookmarks. Check: $100 \div 10 = 10$</p> <p>So, Ella can make 10 bookmarks.</p>
<p>Step 4 Check</p>	<p>Look back at the problem. One way to check the answer is to work backward. Check your division with multiplication.</p> <p>$10 \times 10 = 100$</p> <p>So, the answer is correct.</p>

Lesson 6 Reteach

Problem Solving (continued)

Solve.

1. Ben is swimming laps in a pool shaped like a rectangle. The length of the pool is 50 meters. How many meters does he swim if he swims the length of the pool 4 times?

2. Irene's house is shaped like a square. Each side of the house is 35 feet long. If Irene walked all the way around the house, how many feet would she walk?

3. Mario is growing fresh carrots in his garden. The first row has 10 carrots. Each row has 5 more carrots than the row before it. How many carrots are in the 7th row? Draw Mario's garden. What figure did you draw?

4. Marisa has one hundred books. If Marisa sorts her books into 10 equal stacks, how many will be in each stack?
