

Strategies Toolkit

Explore

Pike Lake is twice as wide as Char Lake.
 Char Lake is 2.5 km wider than Perch Lake.
 Bass Lake is 10 times as wide as Perch Lake.
 Bass Lake is 45.0 km wide.
 How wide are Char Lake, Pike Lake, and Perch Lake?



Show and Share

Describe the strategy you used to solve this problem.

Connect

Four students have totem poles.
 Scannah's pole is 1.3 m shorter than
 Uta's pole.
 Uta's pole is 2.5 m taller than Sta-th's pole.
 Yeil's pole is 10 times as tall as Sta-th's pole.
 Yeil's pole is 35.0 m tall.
 How tall are Scannah's, Uta's, and
 Sta-th's poles?



Strategies

- Make a table.
- Use a model.
- Draw a diagram.
- Solve a simpler problem.
- Work backward.
- Guess and check.
- Make an organized list.
- Use a pattern.
- Draw a graph.

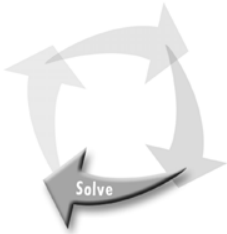
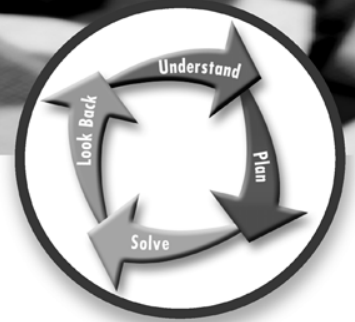


What do you know?

- The height of Yeil's pole is 35.0 m.
- You can use that height to find the other heights.

Think of a strategy to help you solve the problem.

- You can start with the height of Yeil's pole and **work backward**.



Use the height of Yeil's pole to find the height of Sta-th's pole.
 Use the height of Sta-th's pole to find the height of Uta's pole.
 Use the height of Uta's pole to find the height of Scannah's pole.
 How tall is each pole?



How can you check your answer?
 How could you have solved this problem another way?

Practice

Choose one of the

Strategies

- Karl swam the length of the swimming pool 10 times. He swam a total distance of 166.5 m. How long is the pool? **16.65 m**
- Lamar opened a 1-L can of tomato juice. He poured an equal amount into each of 3 glasses. Lamar had 0.4 L left. How much did Lamar pour into each glass? **0.2 L or 200 mL**
- Last weekend, Inga earned money by mowing lawns. After her first job, Inga had twice the amount of money she had when she left home. After her second job, Inga doubled her money again. When Inga got home, she had \$18.60. How much money did Inga have when she first left home?

\$4.65



Reflect

Choose one of the problems in this lesson.
 Use words, pictures, or numbers to explain how you solved it.