

What a River!

Did You Know? The Colorado River formed the Grand Canyon over a very long time. The flow of water wore the rocks down. Over time, a mile-deep canyon formed!

- 1 People go rafting on the Colorado River. On Monday, a rafting trip had 14 people. On Tuesday, a rafting trip had 17 people. How many people went rafting in all?

Use compensation to solve the problem. **Sample answer given.**

$$\begin{array}{r}
 14 + 17 = \underline{31} \\
 \ominus 3 \quad \oplus 3 \\
 \hline
 11 + 20 = \underline{31} \text{ people}
 \end{array}$$

- 2 The water at one bend of the river is 46 feet deep. A mile down the river the water is 24 feet deeper. How many feet deep is the water a mile from the bend?

Choose an addition strategy to solve. Show your work.

Check students' work.

70 feet

- 3 **Extension** Write and solve your own word problem about the Colorado River. Use the back of this paper. Show your work.

Check students' work.