

The teacher will need to see all of your work. Check (x) off each one as you use it. Be sure to include the following:

- Pictures, charts, graphs, or t-tables that support your explanation
- A written explanation with detailed sentences
- The equation or number sentence
- The answer (Ask yourself: Is my answer reasonable? Why or why not?)
- The solution in more than one way or related to other situations

**Teacher Use Only**

**Analytical Score:**

**Understanding**                    N A P E

**Strategy/Reasoning**            N A P E

**Communication**                    N A P E

**Holistic Score**                    N A P E

Name: \_\_\_\_\_ Grade: \_\_\_\_\_ Date: \_\_\_\_\_

Teacher: \_\_\_\_\_ School: \_\_\_\_\_

# The Tale of the Scale

Some family friends have asked you to plan a rafting expedition. A rafting company has agreed to take your group down the Babbling River (it's actually a little smaller than a river, more like a brook).

The rafting company has given you specific details on how much weight a raft can hold. A raft can safely carry the weight of 24 babies. As everyone knows, the weight of 12 babies is exactly equal to the weight of 4 teenagers; the weight of 6 teenagers is exactly equal to the weight of 3 adults.

What is the least number of rafts needed for a trip with 11 adults, 5 teenagers, and 21 babies? (Supervision of the babies is not necessary).

