Add a Fraction and a Mixed Number

Solve Problems 1–6.

1. Andrea is measuring water for a science experiment. She already has $1\frac{1}{3}$ cups of water in her measuring beaker, and then adds another $\frac{2}{3}$ cup of water. How much water does she have in all?

2. Halley is also measuring water. She has $1\frac{1}{2}$ cups and adds $\frac{1}{3}$ cup. How much water does she have in all? Hint: multiply $2 \times 3$ to find a common denominator, then add.

3. Beth is making a pie and has $2\frac{1}{3}$ cup of sugar. She realizes she needs $\frac{1}{6}$ cup more for the recipe. How much sugar does the recipe need in all?

4. James is building a dollhouse for his little brother and sister. He has pieces of carpet $5\frac{3}{5}$ inches long and $4\frac{1}{3}$ inches long. Put end to end, are these two pieces long enough to cover a floor that is 10 inches long? Explain your answer.

5. Evelyn and Ferris are on the stage crew for the school play. They need to put tape on the stage to mark where the performers should stand. The director gave them this list. How much tape do they need in all?

6. Peter and Susan are making costumes for the school play. They went to the store to buy fabric for the animals’ costumes. The two bears each need $4\frac{1}{4}$ yards of brown fabric. The rabbit needs $3\frac{2}{3}$ yards of brown fabric, and the squirrel needs $2\frac{3}{8}$ yards of brown fabric. How much brown fabric do Peter and Susan need?