Name Date

**Extended-Response Test**

**Demonstrate your knowledge by giving a clear, concise solution**

**to each problem. Be sure to include all relevant drawings and justify your answers. You may show your solution in more than one way or investigate beyond the requirements of the problem. If necessary, record your answer on another piece of paper.**

Explain why $\frac{5}{6}$ can be thought of as $\frac{1}{6}+\frac{1}{6}+\frac{1}{6}+\frac{1}{6}+\frac{1}{6}$. Write another way you can write $\frac{5}{6}$ as a sum.

**1.**

Explain how to solve $2\frac{2}{8}-1\frac{1}{8}$. Write in simplest form.

**2.**

**3.**

The fourth grade is going on a field trip. There are 5 classes. Each class will take up $\frac{2}{3}$ of a bus. How many busses are needed for all the classes to go on the field trip? Explain.

**4.**

Carlson, Becky, and Emma are sharing a pizza that has 12 pieces. Carlson ate $\frac{3}{12}$ of the pizza. Becky ate $\frac{2}{12}$ of the pizza, and there are 5 pieces left. What fraction of the pizza did Emma eat? Explain how you got your answer.

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**Grade 4 • Chapter 9** Operations with Fractions