Name: _____ Date: _____

Chapter 7 Gifted and Enrichment

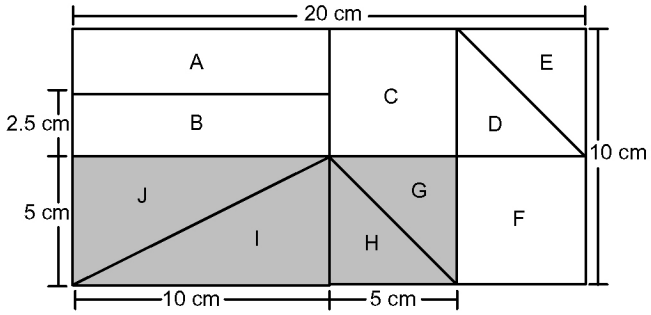
1. Identify the fraction that is closest to $\frac{3}{7}$.

A $\frac{1}{3}$ **B** $\frac{2}{5}$

C $\frac{4}{9}$ **D** $\frac{5}{11}$

2. You are making four types of muffins. The recipes call for $\frac{2}{3}$ cup of sugar for one type, $\frac{1}{2}$ cup for another type, $\frac{1}{8}$ cup for a third type, and $\frac{3}{4}$ cup for a fourth type. You have $2\frac{1}{2}$ cups of sugar available. Is there enough sugar for the recipes? Is there too much sugar or too little sugar? If so, how much?

3. You may wish to draw and cut out the tangram shown to help you solve the problem.



a) What fraction of the shape is each of parts A to J?

b) Identify three combinations of parts that can be put together to create a shape of equal size to what would be created by putting together parts G, H, I, and J. You may not use any of parts G, H, I, or J in the three new shapes.

4. A restaurant has three apple pies, one cherry pie, two blueberry pies, two bumbleberry pies, three pumpkin pies, and four lemon meringue pies. Each pie is the same size and is cut into eight equal pieces. By the end of the day, the following were eaten:

Pie	Slices Eaten
Apple	7
Cherry	5
Blueberry	9
Bumbleberry	10
Pumpkin	20
Lemon meringue	22

a) Identify how much of each pie was left. Express each amount as a fraction or mixed number in lowest terms.

b) If all of the slices of pie left were put together, how much pie would there be? Express your answer as a mixed number in lowest terms.