

**2006 ISAT Grade 7  
Mathematics  
Short Response Item #1**

**State Goal 6:** Number Sense

**Standards 6B, 6C:** Computation, Operations, Estimation, and Properties

**Assessment Objective 6.7.12:** Make estimates appropriate to a given situation, and analyze what effect the estimation method used has on the accuracy of results.

**1**

On March 1, Jess had 1,000 monthly minutes to use with her cellular phone plan. She uses 39 minutes per day during March.

On what date will she run out of minutes?

Show your work.

2006 ISAT Grade 7  
Mathematics  
Short Response Item #2

**State Goal 10:** Data Analysis, Statistics, and Probability

**Standards 10C:** Probability

**Assessment Objective 10.7.07:** Represent all possible outcomes for simple events.

2

Sam rolls a standard 6-sided number cube and flips a penny. The six sides of the number cube and both sides of the coin are shown below.



How many different outcomes are possible if Sam rolls the number cube and flips the penny?

Show your work.

**2006 ISAT Grade 7  
Mathematics  
Extended Response Item**

**State Goal 6:** Number Sense

**Standard 6D:** Ratios, Proportions, and Percents

**Assessment Objective 6.7.15:** Use proportional reasoning to model and solve problems.

**1**

The seventh-grade class is planning a pancake breakfast to raise money for their class trip. All materials will be donated except the pancake mix. Based on the given information below, answer the questions that follow.

- Bags of pancake mix cost \$10.00 each.
- Each bag makes 120 pancakes.
- Each person will be served 3 pancakes.

1. How many pancakes would the students need to make to serve 240 people?
2. How much will it cost for all the bags of pancake mix needed to serve these 240 people?

Show all your work. Explain in words how you found your answer. Tell why you took the steps you did to solve the problem.