

Session 1, Open-Response Question

Use the picture below to answer question 9.



- 9 Marion wants to rent a canoe to go out on a lake. The cost is \$2.00 plus \$1.50 for each hour.
- Make a table showing how much it would cost to rent a canoe for 1, 2, 3, and 4 hours.
 - Using numbers, symbols, and the variable n , write an expression for how much it would cost to rent the canoe for n hours.
 - Marion has \$14.00. What is the greatest number of hours she can rent the canoe? Show your work or explain how you found your answer.

Reporting Category for Item 9: *Patterns, Relations, and Algebra* (p. 254)

Session 1, Short Answer Questions

- 10 Compute:

$$\frac{11}{12} - \frac{3}{8}$$

Reporting Category for Item 10: *Number Sense and Operations* (p. 253)

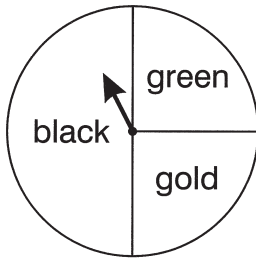
Use the ruler and protractor included in your reference sheet to answer question 11.

- 11 Draw a triangle with exactly one obtuse angle. Label the obtuse angle with the letter *P*.

Reporting Category for Item 11: *Measurement* (p. 255)

Session 2, Open-Response Question

Use the spinner shown below to answer question 12.



- 12 Melinda and Henry are playing a game with this three-color spinner.
- Henry thinks that the probability of landing on gold is $\frac{1}{3}$. Is Henry correct?
 - If he is correct, explain how you know.
 - If he is **not** correct, give the correct probability and explain how you know it is correct.
 - If Melinda and Henry will spin the spinner 60 times in the game, about how many times can they expect it to land on each of the three colors? Explain or show how you found your answer.
 - Melinda and Henry started playing the game, and after 30 spins the spinner had landed on black 10 times. Henry told Melinda that this shows that the probability of landing on black must be $\frac{10}{30} = \frac{1}{3}$. Is Henry correct?
 - If he is correct, explain how you know.
 - If he is **not** correct, tell what is the probability of landing on black. Explain how it is possible that the spinner could have landed on black 10 times out of a total of 30 spins.

Reporting Category for Item 12: *Data Analysis, Statistics, and Probability* (p. 256)