UNIT 1 • RELATIONSHIPS BETWEEN QUANTITIES AND EXPRESSIONS
Lesson 1: Working with Radicals and Properties of Real Numbers

Problem-Based Task 1.1.1: Measuring Madness

Coaching

a. How can you find the diameter of each bowl?

b. How can you tell if a number is rational or irrational?

c. What is the diameter of each bowl, and is the diameter rational or irrational?

d. How can you figure out whether the bowls will fit on the shelf?

e. What is the sum of the diameters of the bowls, and is your answer rational or irrational?

f. Will the bowls fit on the shelf in a line? Why or not?