Weight Conversion Activity Answer Key

Possible Response:

**import** java.util.Scanner;

**public** **class** PoundsToKilos {

**public** **static** **void** main(String[] args) {

// Declare a constant for converting pounds to kilograms

**final** **double** POUNDS\_TO\_KILOS = 0.454;

// Create a Scanner object

Scanner sc = **new** Scanner(System.*in*);

// Prompt the user to enter a radius

System.*out*.print("Enter a number in pounds: ");

**double** pounds = sc.nextDouble();

// Compute kilograms

**double** kilos = pounds \* POUNDS\_TO\_KILOS;

// Display results

System.*out*.println(pounds + " pounds is " +

kilos + " kilograms");

}

}