Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_ Period: \_\_\_\_ Date:

**Perimeter and Area of Composite Figures 2\_Classwork**

*Objective: find perimeters and area of composite shapes. CC.SS.7.G.4*

1. Calculate the area of the geometric figures shown in the composite figure at right. Round to the nearest tenth. Show all work.

Area: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Calculate the area of the shaded region in the drawing of two circles at right. Round to the nearest tenth. Show all work.

Area: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Find the area of the shaded region in the drawing of squares at right. Round to the nearest tenth. Show all work.

Area: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# PROBLEM 4

Joe needs to replace the carpet in his living room and hallway with laminate flooring. A floor plan is shown below.

A. What is total area of floor that needs to be recovered?

B. Each box of laminate flooring contains 2.15 m2 of flooring material. How many boxes should Joe buy?

C. One box costs $42.60. How much will the flooring cost?

D. If Joe gets a coupon for 20% off, how much would the flooring cost?

# PROBLEM 5

The school’s athletic director wants to seed the field and replace the fence. The field is shown at right.



50 m

A. How many meters of fencing will he need to purchase?

B. How many square meters will need to be seeded with grass seed?

C. If seeding costs $1.45 per square meter and fencing costs $23.50 per meter, how much will it cost to seed and replace the fence for the field?

1. Calculate the area of the geometric figures shown in the composite figure at right. Round to the nearest tenth. Show all work.

Area: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



1. Calculate the area of the geometric figures shown in the composite figure at right. Round to the nearest tenth. Show all work.

Area: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



1. Calculate the area of the shaded region in the drawing of two circles at right. Round to the nearest tenth. Show all work.

Area: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



1. Calculate the area of the shaded region in the drawing of two circles at right. Round to the nearest tenth. Show all work.

Area: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



1. Find the area of the shaded region in the drawing of squares at right. Round to the nearest tenth. Show all work.

Area: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



1. Find the area of the shaded region in the drawing of squares at right. Round to the nearest tenth. Show all work.

Area: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

