

Unit 2 Measurements and Conversions – Practice Test Short Answer

SHORT ANSWER

19. How many **inches** does $12\frac{1}{3}$ yd represent? Show your work.

20. Hannah is putting edge tiles around her bath tub. The edge tiles come in 4 inch lengths. The perimeter of the bath tub walls measures 8 ft 11 in.

(a) What is the perimeter of the bath tub walls in **inches**? Show your work.

(b) How many edge tiles should she buy? Show your work.

21. The front porch to Roger’s house is 1.28 m high.

(a) What is the height of the front porch in **centimeters**? Show your work.

(b) If each step is 16 cm high, how many steps are needed to reach the level of the porch? Show your work.

22. Andrij is making stuffed green peppers, but only wants to make half the amount written in this recipe:

- 6 large green bell peppers
- 1 c rice
- 2 tbsp vegetable oil
- $2\frac{1}{2}$ tsp sweet paprika
- 2 c tomato sauce
- $\frac{1}{2}$ c finely chopped parsley

a) Rewrite the recipe as a **half** recipe.

b) Describe **two ways** that Andrij can measure out the amount of sweet paprika needed for the half recipe, assuming he has standard measuring spoons (1 tbsp, 1 tsp, $\frac{1}{2}$ tsp, $\frac{1}{4}$ tsp).

Way #1:

Way #2:

c) Andrij can't find his 1 cup measuring cup, but has a $\frac{1}{4}$ cup one. How many $\frac{1}{4}$ cups are needed to get the correct amount of tomato sauce in the half recipe?

Unit 2 Measurements and Conversions – Practice Test ANSWERS

SHORT ANSWER

19. 444 in.
20. a) 107 in.
b) 27 tiles
21. a) 128 cm
b) 8 steps
22. a) 3 large green bell peppers
1/2 c rice
1 tbsp vegetable oil
1 1/4 tsp sweet paprika
1 c tomato sauce
1/4 c finely chopped parsley
b) Way #1: Measure 1 teaspoon, then 1/4 teaspoon
Way #2: Measure five 1/4 teaspoons
Ask your teacher to check if you have another way
c) Four 1/4 cup measures