Tues. 1/19

Name: LOZ Date: 1-19-2021

CHAPTER 6

Area

Lesson 6.1 Finding the Area of a Rectangle with Fractional Side Lengths

Find the area of each rectangle.

1. The length of a rectangle is $\frac{4}{5}$ foot and its width is $\frac{3}{8}$ foot. Find the area of the rectangle.

$\frac{4}{5}$ ft

$\frac{2}{\cancel{4}}{5} \times \frac{3}{\cancel{8}_{4}} = \frac{6}{20} = \frac{3}{10}$

$\frac{3}{8}$ ft

2. The length of a rectangle is $\frac{20}{9}$ inches and its width is $\frac{3}{5}$ inch. Find the area of the rectangle.

$\frac{20}{9}$ in.

$\frac{\cancel{20}^{4}}{\cancel{9}_{3}} \times \frac{\cancel{3}^{1}}{\cancel{5}_{1}} = \frac{4}{3} = 1\frac{1}{3}$

$\frac{3}{5}$ in.

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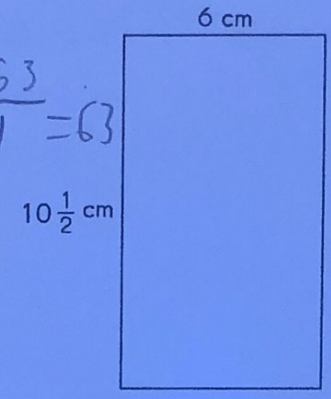
3. The length of a rectangle is $10\frac{1}{2}$ centimeters and its width is 6 centimeters. Find the area of the rectangle.

$\frac{21}{1\cancel{2}} \times \frac{\cancel{6}^{3}}{1} = \frac{63}{1} = 63$

63



4. The length of a rectangular field is $20\frac{4}{5}$ meters and its width is 15 meters. Find the area of the field.

$\frac{104}{1\cancel{5}} \times \frac{\cancel{15}^{3}}{1} = \frac{312}{1} = 312$

the area of the field is 312