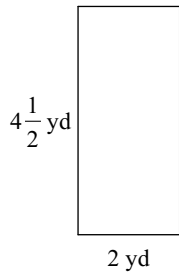


Rectangles with Fraction Side Lengths

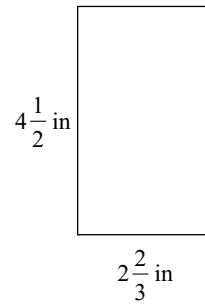
Date _____ Period _____

Find the area of each rectangle.

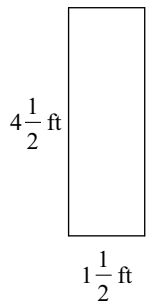
1)



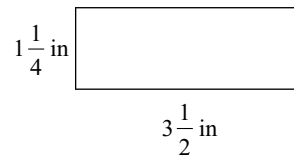
2)



3)



4)

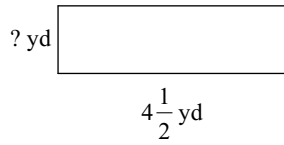
**Solve each problem.**

- 5) A rectangle has a length of 2 ft and a width of $1\frac{1}{3}$ ft. What is the area of the rectangle?

- 6) A rectangle has a length of $4\frac{3}{4}$ mi and a width of $2\frac{1}{2}$ mi. What is the area of the rectangle?

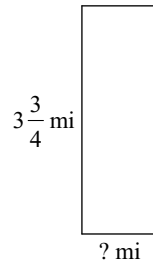
Find the missing measure for each rectangle.

7)



$$\text{Area} = 6 \text{ yd}^2$$

8)



$$\text{Area} = 4\frac{11}{16} \text{ mi}^2$$

Solve each problem.

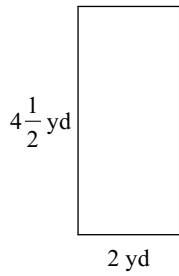
9) A rectangle has a width of $2\frac{1}{2} \text{ mi}$ and an area of $11\frac{1}{4} \text{ mi}^2$. What is the length of the rectangle?

10) A rectangle has a width of $1\frac{1}{2} \text{ yd}$ and an area of $3\frac{3}{4} \text{ yd}^2$. What is the length of the rectangle?

Rectangles with Fraction Side Lengths

Find the area of each rectangle.

1)

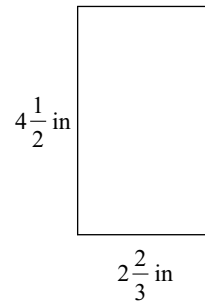


$$A = l \times w$$

$$A = \frac{9}{2} \times 2$$

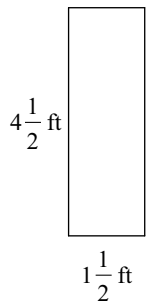
$$9 \text{ yd}^2$$

2)



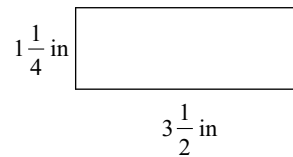
$$12 \text{ in}^2$$

3)



$$6\frac{3}{4} \text{ ft}^2$$

4)



$$4\frac{3}{8} \text{ in}^2$$

Solve each problem.

- 5) A rectangle has a length of 2 ft and a width of $1\frac{1}{3}$ ft. What is the area of the rectangle?

$$2\frac{2}{3} \text{ ft}^2$$

- 6) A rectangle has a length of $4\frac{3}{4}$ mi and a width of $2\frac{1}{2}$ mi. What is the area of the rectangle?

$$11\frac{7}{8} \text{ mi}^2$$

Find the missing measure for each rectangle.

7)



$$4\frac{1}{2} \text{ yd}$$

$$\text{Area} = 6 \text{ yd}^2$$

$$A = l \times w$$

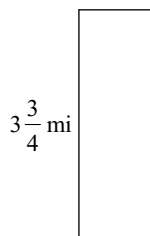
$$6 = \frac{9}{2} \times w$$

$$w = 6 \div \frac{9}{2}$$

$$w = 6 \times \frac{2}{9}$$

$$1\frac{1}{3} \text{ yd}$$

8)



$$? \text{ mi}$$

$$\text{Area} = 4\frac{11}{16} \text{ mi}^2$$

$$A = l \times w$$

$$\frac{75}{16} = \frac{15}{4} \times w$$

$$w = \frac{75}{16} \div \frac{15}{4}$$

$$w = \frac{75}{16} \times \frac{4}{15}$$

$$1\frac{1}{4} \text{ mi}$$

Solve each problem.

- 9) A rectangle has a width of $2\frac{1}{2}$ mi and an area of $11\frac{1}{4} \text{ mi}^2$. What is the length of the rectangle?

$$A = l \times w$$

$$\frac{45}{4} = l \times \frac{5}{2}$$

$$l = \frac{45}{4} \div \frac{5}{2}$$

$$l = \frac{45}{4} \times \frac{2}{5}$$

$$4\frac{1}{2} \text{ mi}$$

- 10) A rectangle has a width of $1\frac{1}{2}$ yd and an area of $3\frac{3}{4} \text{ yd}^2$. What is the length of the rectangle?

$$A = l \times w$$

$$\frac{15}{4} = l \times \frac{3}{2}$$

$$l = \frac{15}{4} \div \frac{3}{2}$$

$$l = \frac{15}{4} \times \frac{2}{3}$$

$$2\frac{1}{2} \text{ yd}$$