

# Area of a rectangle involving fractions: Worksheet 4.2

Name ..... Date ..... Score .....

1. A park is  $\frac{3}{4}$  mile in length and  $\frac{2}{3}$  mile in width. What is the area of the park?
2. A farm is  $\frac{4}{5}$  km in length and  $\frac{3}{4}$  km in width. What is the area of the plot?
3. A lake is  $\frac{3}{5}$  mile in length and  $\frac{1}{4}$  mile in width. What is the area of the lake?
4. A pond is  $\frac{3}{8}$  mile in length and  $\frac{2}{3}$  mile in width. What is the area of the pond?
5. A table top is  $\frac{4}{5}$  yard in length and  $\frac{2}{5}$  yard in width. What is the area of the table top?
6. A window had a length of  $\frac{4}{5}$  yard and a width of  $\frac{5}{8}$  yard. What is the area of the window?
7. A piece of plywood has a length of  $\frac{7}{11}$  ft, with a width of  $\frac{7}{9}$  ft. What is the area of the plywood?
8. An envelope from the post office is  $\frac{3}{4}$  ft long with a width of  $\frac{1}{3}$  ft. What is the area of the envelope?
9. An island in the Pacific Ocean was  $\frac{9}{13}$  miles wide and  $\frac{9}{11}$  miles long. What is the area of the island?
10. A bakery cookie sheet was  $\frac{9}{14}$  inches wide and  $\frac{5}{9}$  inches long. What is the area of their cookie sheet?



## Solutions: Worksheet 4.2

1. Area A =  $\frac{1}{2}$  square miles
2. Area A =  $\frac{3}{5}$  square km
3. Area A =  $\frac{3}{20}$  square miles
4. Area A =  $\frac{1}{4}$  square miles
5. Area A =  $\frac{8}{25}$  square yards
6. Area A =  $\frac{1}{2}$  square yards
7. Area A =  $\frac{49}{99}$  square feet
8. Area A =  $\frac{1}{4}$  square feet
9. Area A =  $\frac{81}{143}$  square miles
10. Area A =  $\frac{5}{14}$  square inches

