

Name _____

Area of a Rectangle

Find each area.

1. a rectangle with sides of lengths $\frac{4}{5}$ foot and $\frac{1}{2}$ foot _____
2. a rectangle with sides of lengths $\frac{1}{3}$ yard and $\frac{3}{4}$ yard _____
3. a rectangle with sides of lengths $\frac{2}{3}$ foot and $\frac{1}{3}$ foot _____
4. a rectangle with sides of lengths $\frac{5}{6}$ inch and $\frac{1}{3}$ inch _____
5. a square with sides of length $\frac{5}{8}$ inch _____
6. a rectangle with a length of 3 inches and a width of $\frac{1}{8}$ inch _____
7. a rectangle with a length of $\frac{1}{5}$ yard and a width of $\frac{2}{3}$ yard _____
8. a rectangle with a length of $\frac{4}{9}$ foot and a width of 2 feet _____

9. Mrs. Henley built a cage for her bird. She wanted to cover the bottom of the cage with newspaper. If the cage is $\frac{1}{4}$ yard by $\frac{1}{2}$ yard, what is the area that needs to be covered?

- A** $\frac{1}{8}$ sq. yd **B** $\frac{1}{4}$ sq. yd **C** $\frac{1}{2}$ sq. yd **D** 8 sq. yd

10. **Writing to Explain** Tariq and Marie each multiplied $\frac{1}{8}$ inch \times $\frac{5}{8}$ inch. Tariq got $\frac{5}{8}$ sq. in. and Marie got $\frac{5}{64}$ sq. in. Which student found the correct area? How do you know?
