

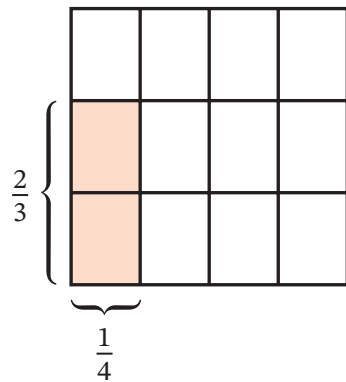


Name _____

Date _____

1. Use the area model to find the product. Then complete the equation.

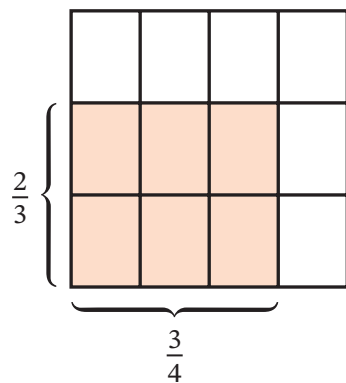
a. $\frac{2}{3} \times \frac{1}{4}$



$$\frac{2}{3} \times \frac{1}{4} = \frac{\square}{\square} \times \frac{\square}{\square} \times \underline{\hspace{2cm}}$$

$$= \underline{\hspace{2cm}}$$

b. $\frac{2}{3} \times \frac{3}{4}$

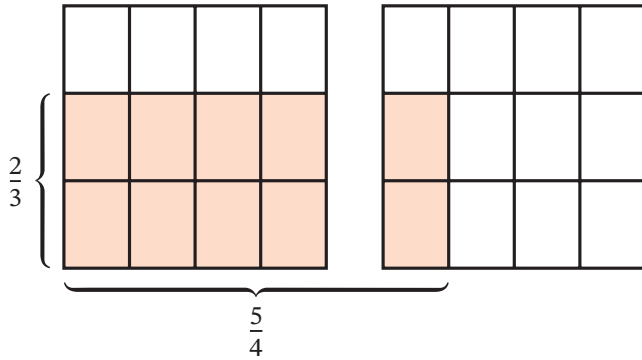


$$\frac{2}{3} \times \frac{3}{4} = \frac{\square}{\square} \times \frac{\square}{\square} \times \underline{\hspace{2cm}} \times \underline{\hspace{2cm}}$$

$$= \underline{\hspace{2cm}} \times \underline{\hspace{2cm}}$$

$$= \underline{\hspace{2cm}}$$

c. $\frac{2}{3} \times \frac{5}{4}$



$$\frac{2}{3} \times \frac{5}{4} = \underline{\quad} \times \underline{\quad} \times \underline{\quad} \times \underline{\quad}$$

$$= \underline{\quad}$$

$$= \underline{\quad}$$

Make a simpler problem. Show your thinking. Then multiply.

2. $\frac{3}{4} \times \frac{8}{5} = \underline{\quad}$

3. $\frac{5}{6} \times \frac{6}{2} = \underline{\quad}$

4. $\frac{9}{11} \times \frac{6}{5} = \underline{\quad}$

5. $\frac{1}{2} \times \frac{11}{5} = \underline{\quad}$

Multiply.

6. $\frac{4}{13} \times \frac{8}{3} =$ _____

7. $\frac{3}{5} \times \frac{10}{8} =$ _____

8. $\frac{8}{9} \times \frac{8}{7} =$ _____

9. $\frac{3}{5} \times \frac{3}{4} =$ _____

10. $\frac{2}{11} \times \frac{5}{3} =$ _____

11. $\frac{5}{6} \times \frac{3}{7} =$ _____

12. $\frac{7}{10} \times \frac{11}{10} =$ _____

13. $\frac{12}{5} \times \frac{7}{12} =$ _____

14. Eddie runs for $\frac{3}{5}$ hours on Friday. He runs $\frac{5}{4}$ as much on Saturday.
- a. Does Eddie run for more time or less time on Saturday than he did on Friday? How do you know?
- b. Eddie says $\frac{3}{5} \times \frac{5}{4}$ is greater than 1 because $\frac{5}{4}$ is greater than 1. Explain why his reasoning is incorrect. What advice would you give to Eddie?

Use the Read–Draw–Write process to solve each problem.

15. $\frac{5}{9}$ of the animals in the pet show are dogs. $\frac{3}{5}$ of the dogs are poodles. What fraction of the animals in the pet show are poodles?

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16. At a summer camp, $\frac{4}{5}$ of the campers choose to play a sport as their activity. Of the campers who choose a sport, $\frac{2}{5}$ play football and the rest play basketball. What fraction of the campers play basketball?