Multiplying Two Fractions
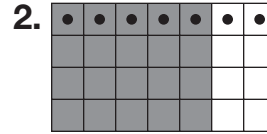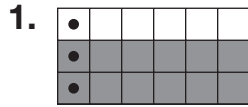
Write the multiplication problem that each model represents then solve. Put your answer in simplest form.

1.

_____

2.

_____

Find each product. Simplify if possible.

3. $\frac{7}{8} \times \frac{4}{5} =$ _____

4. $\frac{3}{7} \times \frac{2}{3} =$ _____

5. $\frac{1}{6} \times \frac{2}{5} =$ _____

6. $\frac{2}{7} \times \frac{1}{4} =$ _____

7. $\frac{2}{9} \times \frac{1}{2} =$ _____

8. $\frac{3}{4} \times \frac{1}{3} =$ _____

9. $\frac{3}{8} \times \frac{4}{9} =$ _____

10. $\frac{1}{5} \times \frac{5}{6} =$ _____

11. $\frac{2}{3} \times \frac{5}{6} \times 14 =$ _____

12. $\frac{1}{2} \times \frac{1}{3} \times \frac{1}{4} =$ _____

13. If $\frac{4}{5} \times \blacksquare = \frac{2}{5}$, what is $\blacksquare$? _____

14. In Mrs. Marshall's classroom, $\frac{6}{7}$ of the students play sports. Of the students who play sports, $\frac{4}{5}$ also play an instrument. If there are 35 students in her class, how many play sports and an instrument?
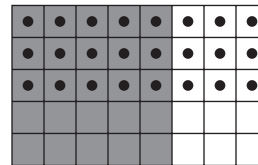
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15. Which does the model represent?

A $\frac{3}{8} \times \frac{3}{5}$ **C** $\frac{3}{5} \times \frac{5}{8}$

B $\frac{7}{8} \times \frac{2}{5}$ **D** $\frac{4}{8} \times \frac{3}{5}$

16. Describe a model that represents $\frac{3}{3} \times \frac{4}{4}$

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