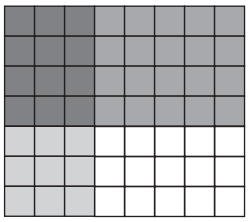
Name _____

Practice
8-3

Multiplying Fractions

Write an equation for each picture.

1.



_____

2.

_____

Find each product. Simplify if possible.

3. $\frac{7}{10} \times \frac{13}{14} =$ _____

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

5. $\frac{3}{7} \times \frac{4}{9} =$ _____

6. $\frac{3}{4} \times 16 =$ _____

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

8. $\frac{5}{6} \times 42 =$ _____

9. $\frac{3}{5} \times \frac{17}{21} =$ _____

10. $\frac{1}{8} \times 72 =$ _____

11. $\frac{15}{9} \times \frac{24}{25} =$ _____

12. $\frac{13}{20} \times 100 =$ _____

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

14. $\frac{1}{2} \times \frac{13}{16} =$ _____

Pamela spent $\frac{2}{3}$ of an hour doing homework. She solved math problems for $\frac{2}{5}$ of that time and read her science book for $\frac{3}{5}$ of that time. What fraction of one hour did Pamela spend:

15. solving math problems? _____

16. reading her science book? _____

17. Of the students in Mr. Moore's room, $\frac{7}{13}$ live within a mile of school. Of those students, $\frac{4}{7}$ live within half a mile of school. What fraction of all students in Mr. Moore's class live within half a mile of school?

A $\frac{3}{13}$

B $\frac{4}{13}$

C $\frac{3}{15}$

D $\frac{4}{15}$

18. Writing to Explain Without multiplying, tell which is greater: $\frac{55}{6} \times 81$ or $\frac{9}{10} \times 81$. Explain.

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_____

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