WS$_{113}$

5. Draw a rectangle to multiply $\frac{3}{5} \times \frac{1}{4}$. What is the product of $\frac{3}{5} \times \frac{1}{4}$?

6) Shade the rectangle to find each product.

a) $\frac{1}{2} \times \frac{3}{4}$ b) $\frac{3}{4} \times \frac{2}{3}$ c) $\frac{2}{5} \times \frac{1}{2}$ d) $\frac{5}{6} \times \frac{1}{2}$ e) $\frac{3}{5} \times \frac{7}{8}$ f) $\frac{4}{5} \times \frac{3}{4}$

7) Use the rule to multiply (Reduce final fraction)

a) $\frac{3}{4} \times \frac{12}{15}$ b) $\frac{4}{5} \times \frac{10}{18}$ c) $\frac{1}{2} \times \frac{4}{12}$

8. Find each product.

a) $\frac{3}{4} \times \frac{5}{8}$ b) $\frac{4}{9} \times \frac{2}{5}$ c) $\frac{1}{4} \times \frac{2}{3}$ d) $\frac{6}{7} \times \frac{2}{3}$ e) $\frac{2}{3} \times \frac{1}{3}$ f) $\frac{4}{5} \times \frac{4}{5}$
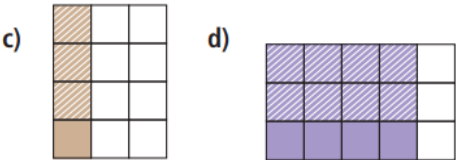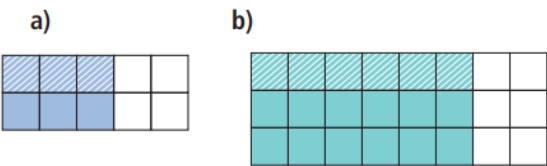
Need More

10. Write the multiplication equation represented by each diagram below.

a)   **b)**

c)   **d)**

12. Assessment Focus

a) Find each product.

i) $\frac{3}{4} \times \frac{2}{5}$ ii) $\frac{2}{4} \times \frac{3}{5}$ iii) $\frac{1}{4} \times \frac{3}{8}$ iv) $\frac{3}{4} \times \frac{1}{8}$

v) $\frac{3}{5} \times \frac{4}{6}$ vi) $\frac{3}{6} \times \frac{4}{5}$

14. Multiply $\frac{4}{9} \times \frac{1}{5}$

15. Take It Further   One-eighth of the seats in the movie theatre were empty. $\frac{2}{7}$ of the seats that were full were filled with teenagers. What fraction of the theatre was filled with teenagers?

16. Take It Further   Why is $\frac{5}{8}$ of $\frac{3}{12}$ equal to $\frac{3}{8}$ of $\frac{5}{12}$? Use a model to explain your answer.