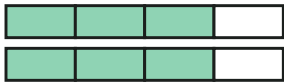
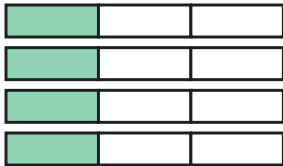


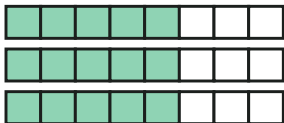
Multiplying Fractions: Guided Practice

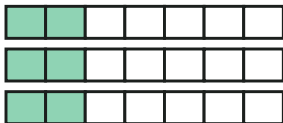
Name: _____

A. Each bar is one whole. Count all the shaded pieces to multiply.

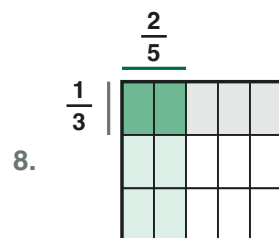
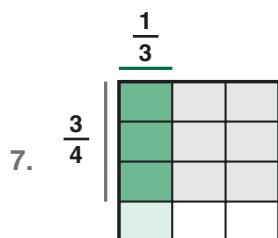
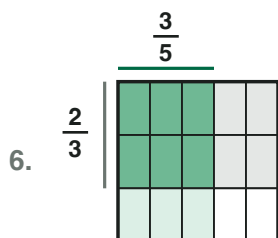
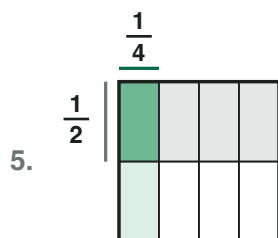
1.  $2 \times \frac{3}{4} = \frac{\boxed{}}{\boxed{}}$

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

3.  $3 \times \frac{5}{8} = \frac{\boxed{}}{\boxed{}}$

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

B. Each square is shaded two ways. Count the pieces shaded twice, then all the pieces.



$\frac{1}{2} \times \frac{1}{4} = \frac{\boxed{}}{\boxed{}}$

$\frac{2}{3} \times \frac{3}{5} = \frac{\boxed{}}{\boxed{}}$

$\frac{3}{4} \times \frac{1}{3} = \frac{\boxed{}}{\boxed{}}$

$\frac{1}{3} \times \frac{2}{5} = \frac{\boxed{}}{\boxed{}}$

C. Use the rule. Multiply the tops, multiply the bottoms, and write the answer.

9. $\frac{1}{4} \times \frac{3}{4} = \frac{\boxed{}}{\boxed{}} \times \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$

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

11. $\frac{1}{3} \times \frac{5}{8} = \frac{\boxed{}}{\boxed{}} \times \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$

12. $\frac{3}{4} \times \frac{5}{7} = \frac{\boxed{}}{\boxed{}} \times \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$

D. Less help now. Write 13 and 14 as mixed numbers. Write 15 and 16 in simplest form.

13. $3 \times \frac{4}{7} = \frac{\boxed{}}{\boxed{}} = \boxed{} \frac{\boxed{}}{\boxed{}}$

14. $7 \times \frac{2}{5} = \frac{\boxed{}}{\boxed{}} = \boxed{} \frac{\boxed{}}{\boxed{}}$

15. $\frac{1}{2} \times \frac{4}{7} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$

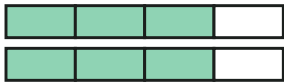
16. $\frac{3}{4} \times \frac{2}{9} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$

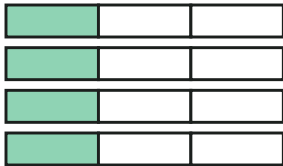
Remember: tops times tops, bottoms times bottoms. A whole number multiplies only the top.

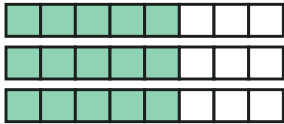
Multiplying Fractions: Guided Practice Answer Key

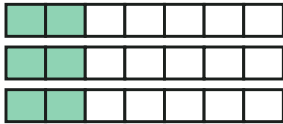
In A, B and C an equal fraction is right too. For example, $\frac{2}{5}$ is the same amount as $\frac{6}{15}$.

A. Each bar is one whole. Count all the shaded pieces to multiply.

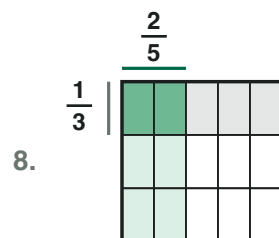
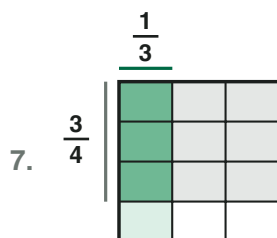
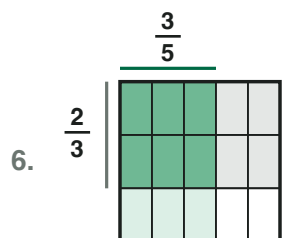
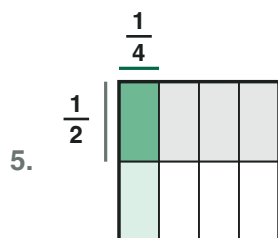
1.  $2 \times \frac{3}{4} = \frac{\boxed{6}}{\boxed{4}}$

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

3.  $3 \times \frac{5}{8} = \frac{\boxed{15}}{\boxed{8}}$

4.  $3 \times \frac{2}{7} = \frac{\boxed{6}}{\boxed{7}}$

B. Each square is shaded two ways. Count the pieces shaded twice, then all the pieces.



$\frac{1}{2} \times \frac{1}{4} = \frac{\boxed{1}}{\boxed{8}}$

$\frac{2}{3} \times \frac{3}{5} = \frac{\boxed{6}}{\boxed{15}}$

$\frac{3}{4} \times \frac{1}{3} = \frac{\boxed{3}}{\boxed{12}}$

$\frac{1}{3} \times \frac{2}{5} = \frac{\boxed{2}}{\boxed{15}}$

C. Use the rule. Multiply the tops, multiply the bottoms, and write the answer.

9. $\frac{1}{4} \times \frac{3}{4} = \frac{\boxed{1}}{\boxed{4}} \times \frac{\boxed{3}}{\boxed{4}} = \frac{\boxed{3}}{\boxed{16}}$

10. $\frac{2}{3} \times \frac{5}{7} = \frac{\boxed{2}}{\boxed{3}} \times \frac{\boxed{5}}{\boxed{7}} = \frac{\boxed{10}}{\boxed{21}}$

11. $\frac{1}{3} \times \frac{5}{8} = \frac{\boxed{1}}{\boxed{3}} \times \frac{\boxed{5}}{\boxed{8}} = \frac{\boxed{5}}{\boxed{24}}$

12. $\frac{3}{4} \times \frac{5}{7} = \frac{\boxed{3}}{\boxed{4}} \times \frac{\boxed{5}}{\boxed{7}} = \frac{\boxed{15}}{\boxed{28}}$

D. Less help now. Write 13 and 14 as mixed numbers. Write 15 and 16 in simplest form.

13. $3 \times \frac{4}{7} = \frac{\boxed{12}}{\boxed{7}} = \boxed{1} \frac{\boxed{5}}{\boxed{7}}$

14. $7 \times \frac{2}{5} = \frac{\boxed{14}}{\boxed{5}} = \boxed{2} \frac{\boxed{4}}{\boxed{5}}$

15. $\frac{1}{2} \times \frac{4}{7} = \frac{\boxed{4}}{\boxed{14}} = \frac{\boxed{2}}{\boxed{7}}$

16. $\frac{3}{4} \times \frac{2}{9} = \frac{\boxed{6}}{\boxed{36}} = \frac{\boxed{1}}{\boxed{6}}$

Remember: tops times tops, bottoms times bottoms. A whole number multiplies only the top.