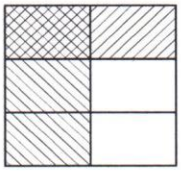
Name _____

5.NF.4b

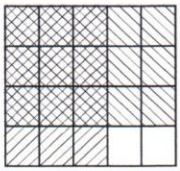
Using Models to Multiply Fractions

SKILLS

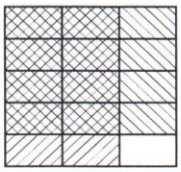
Use the models to find each product.

1. 

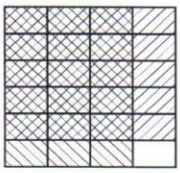
$\frac{1}{2} \times \frac{1}{3} =$

2. 

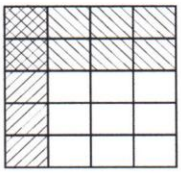
$\frac{3}{5} \times \frac{3}{4} =$

3. 

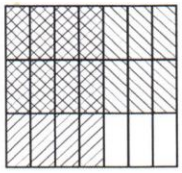
$\frac{2}{3} \times \frac{4}{5} =$

4. 

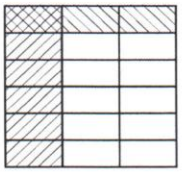
$\frac{3}{4} \times \frac{5}{6} =$

5. 

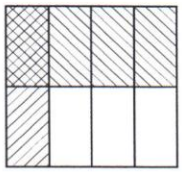
$\frac{1}{4} \times \frac{2}{5} =$

6. 

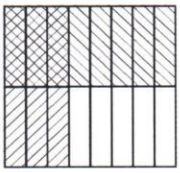
$\frac{4}{7} \times \frac{2}{3} =$

7. 

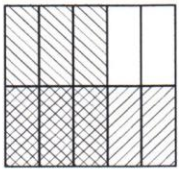
$\frac{1}{3} \times \frac{1}{6} =$

8. 

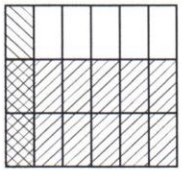
$\frac{1}{4} \times \frac{1}{2} =$

9. 

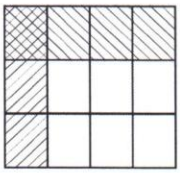
$\frac{1}{2} \times \frac{3}{8} =$

10. 

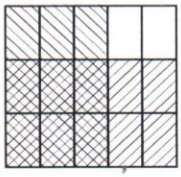
$\frac{1}{2} \times \frac{3}{5} =$

11. 

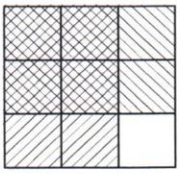
$\frac{2}{3} \times \frac{1}{6} =$

12. 

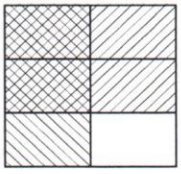
$\frac{1}{4} \times \frac{1}{3} =$

13. 

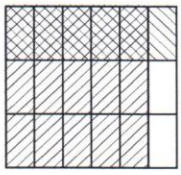
$\frac{3}{5} \times \frac{2}{3} =$

14. 

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

15. 

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

16. 

$\frac{1}{3} \times \frac{5}{6} =$

Name _____

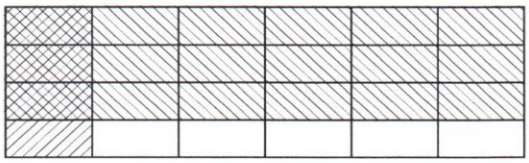
5.NF.4b

Using Models to Multiply Fractions

CRITICAL THINKING AND PROBLEM SOLVING

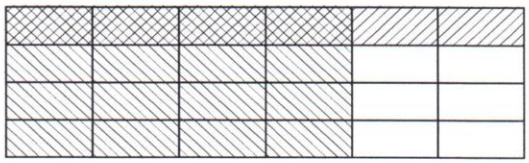
Write and solve the multiplication problem shown by each model.

17.



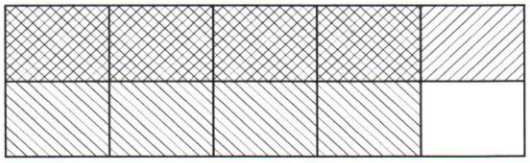
$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square}$

18.



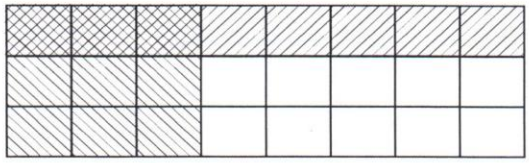
$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square}$

19.



$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square}$

20.

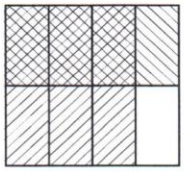


$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square}$

Use the given models to solve each problem. Write each answer in simplest form.

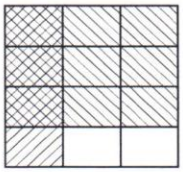
21. You have $\frac{3}{4}$ pound of cheese. $\frac{1}{2}$ of it is cheddar. How much of the cheese is cheddar?

You have _____ pound of cheddar.



22. You have finished $\frac{1}{3}$ of your $\frac{3}{4}$ hour band rehearsal. How much time is left?

You have _____ hour of rehearsal left.



23. $\frac{3}{8}$ of the people at the pet show had dogs. $\frac{1}{2}$ of those have competed in dog shows before. How many dog owners have competed before?

_____ of the dogowners have competed before.