## Multiplying and Dividing Fractions Review

## Examples:

1. 
$$\frac{4}{5} \cdot \frac{2}{3}$$

2. 
$$\frac{4}{5} \div \frac{2}{3}$$
 3.  $\frac{2}{7} \cdot \frac{3}{4}$ 

3. 
$$\frac{2}{7} \cdot \frac{3}{4}$$

4. 
$$\frac{2}{7} \div \frac{3}{4}$$

$$\frac{2.3}{5.1}$$
  $\frac{3}{14}$   $\frac{2.4}{7.3} = \frac{8}{21}$ 

5. 
$$\frac{1}{4} \cdot \frac{3}{8}$$

Now you try... 
$$\frac{1}{5}$$
  $\frac{1}{4} \cdot \frac{3}{8}$   $\frac{5}{9} \cdot \frac{2}{5}$   $\frac{2}{5}$   $\frac{2}{5}$ 

7. 
$$\frac{5}{9} \cdot \frac{2}{5}$$

8. 
$$\frac{5}{9} \div \frac{2}{5}$$

## How do we deal with mixed numbers????

9. 
$$2\frac{3}{4} \cdot 1\frac{1}{3}$$

10. 
$$2\frac{3}{4} \div 1\frac{1}{3}$$
 11.  $6 \cdot 3\frac{2}{5}$ 

11. 
$$6 \cdot 3\frac{2}{5}$$

12. 
$$6 \div 3\frac{2}{5}$$

13. 
$$3\frac{1}{4} \cdot \frac{2}{5}$$
 14.  $\frac{13}{24} \cdot \frac{2}{5}$ 

13. 
$$3\frac{1}{4} \cdot \frac{2}{5}$$
 14.  $3\frac{1}{4} \div \frac{2}{5}$  15.  $6\frac{1}{2} \cdot 2\frac{1}{3}$  16.  $6\frac{1}{2} \div 2\frac{1}{3}$  17.  $\frac{13}{24} \cdot \frac{13}{5}$  13.  $\frac{13}{4} \cdot \frac{13}{5}$  15.  $\frac{13}{2} \cdot \frac{13}{2} \cdot \frac{13}{2} \cdot \frac{13}{2} \cdot \frac{13}{2} \cdot \frac{13}{6} \cdot \frac{13$ 

$6_{2} - 2_{3}$		
13:	73	
13/2	39:2	11

17.A floor-cleaning solution is made using  $\frac{1}{2}$  cup of ammonia for every 3 gallons of water. How much ammonia would you need if you were making only one gallon of floor cleaner?

$$\frac{1}{2} \cdot \frac{3}{3} = \frac{1}{6} cup of ammonia$$

18. Lilly ran  $\frac{9}{10}$  of a mile. Claire ran  $\frac{3}{4}$  of what Lilly ran. How far did Claire run?

19. Tyrone needs 8 pieces of cloth that are  $3\frac{1}{2}$  feet long for decorations for the dance. How much material should he buy?

20. Michael has  $\frac{7}{8}$  of a pie left. How many  $\frac{1}{16}$  pieces can he cut from what he has now?

21. Martha is cutting rope into pieces for a craft project. The rope was  $6\frac{1}{4}$  feet long, and there are  $2\frac{1}{2}$  pieces. How long is each piece?

each piece is zitt