

Fractions, Decimals, Percents

Replace each \_\_\_\_ with <, >, or = to make a true statement.

warm up

EVEN ONLY

1.  $\frac{1}{8}$  \_\_\_\_ 12%

2.  $\frac{2}{3}$  < 0.7

3.  $-\frac{3}{10}$  \_\_\_\_ -0.3

4. 39.5% < .4

5. 0.1 \_\_\_\_  $\frac{1}{11}$

6.  $0.\overline{16}$  <  $\frac{1}{6}$

7.  $\frac{3}{5}$  \_\_\_\_  $\frac{3}{4}$

8.  $-\frac{1}{4}$  = -0.25

9.  $-\frac{13}{2}$  \_\_\_\_ -6.4

10.  $\frac{6}{7}$  >  $\frac{5}{6}$

11. 75% \_\_\_\_  $\frac{15}{20}$

12.  $-\frac{3}{8}$  > -0.4

13.  $\frac{7}{8}$  \_\_\_\_  $\frac{8}{9}$

14.  $\frac{33}{100}$  <  $0.\overline{3}$

15. Order  $\frac{9}{11}$ , 0.9, and 99% from least to greatest.

16. Order 50%,  $\frac{4}{9}$ , and .4 from least to greatest.

17. Order  $0.\overline{4}$ ,  $\frac{444}{1000}$ , and 40% from least to greatest.

18. Order  $-\frac{8}{9}$ ,  $-\frac{8}{10}$ , and  $-0.\overline{80}$  from least to greatest.

.5   .444   .40

.4    $\frac{4}{9}$    50%

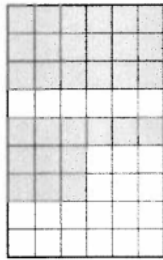
.4444   0.4440   .40

$-\frac{8}{9}$     $-\frac{8}{10}$     $-0.\overline{80}$

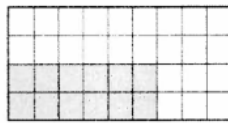
Name \_\_\_\_\_ Date \_\_\_\_\_ Bell \_\_\_\_\_

# Dare To Compare!

Calculate the fraction, decimal and percent for each of the shaded or "x" portions.



$\frac{30}{54}$   
 $\frac{5}{9}$   $\bar{.5}$   
 $55.\bar{5}\%$



$\frac{12}{36} = \frac{1}{3}$   
 $\bar{.3}$   
 $33.\bar{3}\%$

$\bar{.5555}$

Use the following symbols to compare each pair <, >, =

$\frac{2}{5} < 60\%$

$80\% > 0.67$

$\frac{4}{5} < 0.89$

$0.25 = \frac{1}{4}$

$1.25 < 148\%$

$\frac{2}{3} > 59\%$

Place in order from least to greatest

- $\frac{1}{2}$    0.75   29%   1.45   130%    $\frac{8}{10}$   
 2   3   1   6   5   4

Order the numbers from least to

1) 0.32,  $\frac{3}{10}$ , 31%  
 homework  $\frac{3}{10}$  31% .32

2)  $\frac{9}{10}$ , 98%, 0.92  
 $\frac{9}{10}$  .92 98%

3) .42, 42%,  $\frac{4}{9}$ , 0.04  
 .04 42%  $\frac{4}{9}$

4) 0.62,  $\frac{6}{10}$ , 63.1%  
 $\frac{6}{10}$  .62 63.1%

5)  $\frac{2}{3}$ , 75%, 0.738  
 $\frac{2}{3}$  .738 75%

6)  $\frac{6}{8}$ , 0.68, 0.068  
 0.068 .68  $\frac{6}{8}$

0.75    75%  
0.80    80%

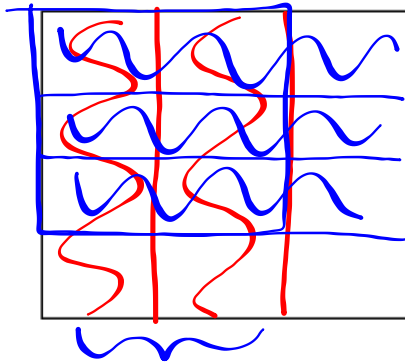
$$3 \times \frac{3}{5} = \frac{18}{5}$$

$$\frac{11}{7} = \frac{14}{7}$$

$$\frac{1}{4}$$

Model Multiplying Fractions

Ex.  $\frac{2}{3} \cdot \frac{3}{4} = \frac{6}{12} \left( \frac{1}{2} \right)$



Draw 3 vertical sections in the box.

Shade 2 of the sections.

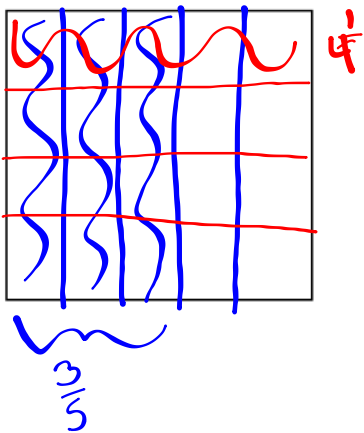
Draw 4 horizontal sections in the box.

Shade 3 of the sections.

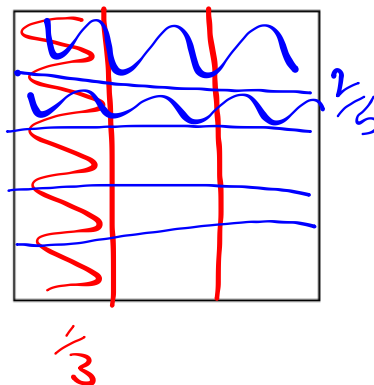
Answer:  $\frac{2}{3}$

- The numerator is the number of boxes that are shaded twice
- The denominator is the number of total boxes.

Ex.  $\frac{3}{5} \cdot \frac{1}{4} = \frac{3}{20}$



Ex.  $\frac{1}{3} \cdot \frac{2}{5} = \frac{2}{15}$



Quiz

Google Classroom Assignment:

Read and follow all directions in the  
classroom assignment

Incomplete classwork will be homework

Advanced Math 6

Name Homework ID: \_\_\_\_\_

## Assignment

Date \_\_\_\_\_ Period \_\_\_\_\_

**Find each product.**

1)  $\frac{3}{4} \times \frac{1}{2}$

2)  $1\frac{3}{5} \times \frac{7}{4}$

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

4)  $3\frac{3}{5} \times \frac{8}{5}$

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

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

7)  $5 \times \frac{2}{3}$

8)  $3\frac{3}{4} \times \frac{2}{3}$

9)  $1\frac{2}{3} \times \frac{1}{2}$

10)  $2\frac{4}{5} \times 3\frac{1}{3}$