

WEEKLY MATH HOMEWORK

December 1 - 5



MONDAY AND TUESDAY HOMEWORK:

Complete the study guide (due Wednesday)

*ON THURSDAY: Unit 3 Test! Use the attached study guide and your math journal notes to help you get ready!

DUE FRIDAY: Multiplication Practice (pick any 5 to complete)

My timed test on FRIDAY is on the _____ facts!

Class website: <http://mrsbucksmathclass.weebly.com>

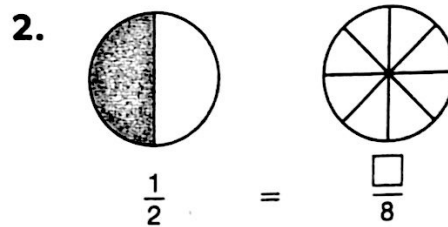
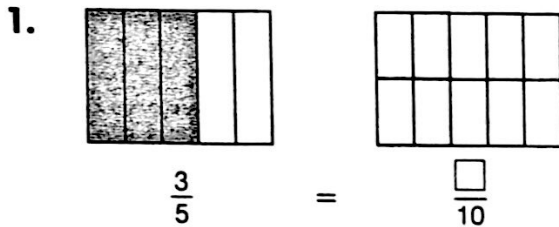
Name _____


Parent Signature _____

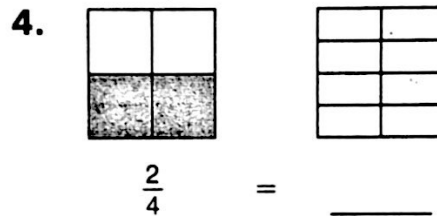
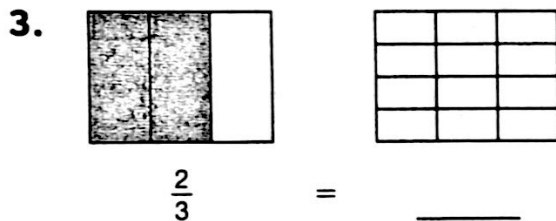
Equivalent Fractions Practice

*** DUE WED. ***

Shade the model to show a fraction equivalent to the fraction shown. Then write the equivalent fraction.



HINT  There are 4 times as many sections in each part, and 4 times as many sections in the whole.



5. Look for a pattern in the numerators and denominators. Then complete the table to show fractions equivalent to $\frac{1}{2}$.

$\frac{1}{2}$	$\frac{2}{4}$	$\frac{3}{6}$	$\frac{\square}{8}$	$\frac{5}{10}$	$\frac{6}{\square}$
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6. Look for a pattern in the numerators and denominators. Then complete the table to show fractions equivalent to $\frac{3}{2}$.

$\frac{3}{2}$	$\frac{6}{4}$	$\frac{9}{6}$	$\frac{12}{8}$	$\frac{\square}{10}$	$\frac{\square}{12}$
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Multiply to find an equivalent fraction.

7. $\frac{1}{6} = \frac{1 \times \square}{6 \times 2} = \frac{\square}{12}$

8. $\frac{1}{2} = \frac{1 \times \square}{2 \times 5} = \frac{\square}{10}$

9. $\frac{2}{4} = \frac{2 \times \square}{4 \times \square} = \frac{\square}{8}$

REMEMBER Multiply the numerator and denominator by the same number.

DUE Wednesday!

Are the fractions equivalent? Write *yes* or *no*.

10. $\frac{6}{12}, \frac{1}{2}$

11. $\frac{5}{6}, \frac{4}{6}$

12. $\frac{1}{5}, \frac{2}{10}$

13. $\frac{4}{6}, \frac{2}{3}$

14. $\frac{2}{3}, \frac{2}{4}$

15. $\frac{3}{4}, \frac{6}{8}$

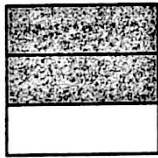
Write two fractions equivalent to the given fraction.

16. $\frac{1}{3}$

17. $\frac{4}{3}$

Choose the best answer.

18. Which fraction is equivalent to the shaded part of the fraction model?



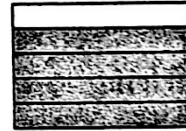
A. $\frac{3}{5}$

B. $\frac{4}{6}$

C. $\frac{5}{6}$

D. $\frac{6}{8}$

19. Which fraction is equivalent to the shaded part of the fraction model?



A. $\frac{2}{5}$

B. $\frac{4}{10}$

C. $\frac{8}{10}$

D. $\frac{8}{12}$

Solve.

20. Remy needs $\frac{5}{3}$ yards of fabric for a craft project. Write how much fabric he needs as a fraction with a denominator of 6.

21. **REASON** Explain why $\frac{1}{2}$ is not equivalent to $\frac{2}{5}$.

Comparing Fractions Practice

*** DUE WED. ***

Compare. Write $>$, $<$, or $=$.

1.

$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$
---------------	---------------	---------------	---------------	---------------

$\frac{1}{2}$	$\frac{1}{2}$
---------------	---------------

$\frac{3}{5} \bigcirc \frac{1}{2}$

2.

$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$
---------------	---------------	---------------

$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$
---------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------

$\frac{2}{3} \bigcirc \frac{7}{8}$

Write equivalent fractions. Then compare. Write $>$, $<$, or $=$.

3. $\frac{1}{4} \bigcirc \frac{3}{8}$

Step 1 \rightarrow Write $\frac{1}{4}$ as a fraction with a denominator of 8.

$\frac{1}{4} = \frac{1 \times \square}{4 \times \square} = \frac{\square}{8}$

4. $\frac{7}{10} \bigcirc \frac{2}{5}$

Step 1 \rightarrow Write $\frac{2}{5}$ as a fraction with a denominator of 10.

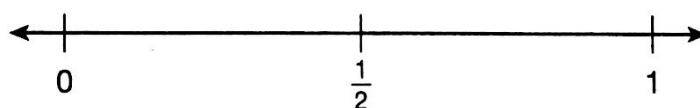
$\frac{2}{5} = \frac{2 \times \square}{5 \times \square} = \frac{\square}{10}$

Step 2 \rightarrow Compare. $\frac{2}{8} \bigcirc \frac{3}{8}$, so $\frac{1}{4} \bigcirc \frac{3}{8}$.

Step 2 \rightarrow Compare. $\frac{7}{10} \bigcirc \frac{4}{10}$, so $\frac{7}{10} \bigcirc \frac{2}{5}$.

REMEMBER Multiply the numerator and the denominator by the same number.

Use the number line and benchmarks to compare. Write $>$, $<$, or $=$.



5. $\frac{1}{8} \bigcirc \frac{3}{5}$

6. $\frac{7}{8} \bigcirc \frac{1}{2}$

7. $\frac{5}{6} \bigcirc \frac{1}{4}$

HINT Think about how close each fraction is to the benchmarks 0, $\frac{1}{2}$, and 1.

8. $\frac{4}{12} \bigcirc \frac{4}{5}$

9. $\frac{3}{6} \bigcirc \frac{11}{12}$

10. $1 \bigcirc \frac{7}{10}$

Comparing Fractions, Continued!

* Due Wednesday! *

Compare. Write $>$, $<$, or $=$.

11. $\frac{1}{5} \bigcirc \frac{1}{2}$

12. $\frac{4}{6} \bigcirc \frac{2}{3}$

13. $\frac{7}{12} \bigcirc \frac{3}{8}$

14. $\frac{3}{5} \bigcirc \frac{3}{6}$

15. $\frac{3}{4} \bigcirc \frac{5}{12}$

16. $\frac{9}{10} \bigcirc \frac{3}{5}$

17. $\frac{1}{3} \bigcirc \frac{1}{2}$

18. $\frac{3}{4} \bigcirc \frac{9}{12}$

19. $\frac{5}{12} \bigcirc \frac{1}{3}$

Choose the best answer.

20. Which fraction is greater than $\frac{1}{2}$?

A. $\frac{3}{8}$

B. $\frac{1}{4}$

C. $\frac{4}{10}$

D. $\frac{3}{5}$

21. Which fraction correctly completes the number sentence?

$$\frac{3}{4} < \square$$

A. $\frac{2}{3}$

B. $\frac{5}{6}$

C. $\frac{7}{12}$

D. $\frac{4}{8}$

Solve.

22. Suki walked $\frac{3}{4}$ mile. Jenn walked $\frac{7}{8}$ mile. Which girl walked farther? Show your work.

23. Ray has a pizza divided into 8 slices. He ate 3 slices. Katie has a pizza that is the same size, but she ate $\frac{1}{4}$ of the slices. Who ate more pizza? Show your work.

24. **CREATE** Write a real-world problem using $\frac{1}{4} < \frac{3}{8}$.

25. **ANALYZE** Bryan says that $\frac{4}{10}$ is about half of a whole. Is he correct? Explain your reasoning.

* Pick any 5 to Complete! *

Solve each problem. SHOW YOUR WORK!!

use the method you like best!!

1) Grid 32

$$\begin{array}{r} \times 42 \\ \hline + 1280 \\ \hline \boxed{1,312} \end{array}$$

2) Lattice 89

$$\begin{array}{r} \times 89 \\ \hline \begin{array}{|c|c|c|} \hline 8 & 9 & \\ \hline 7 & 6 & 4 \\ \hline 9 & 7 & 2 \\ \hline 2 & 1 & \\ \hline \end{array} \end{array}$$

3) Distributive 4

$$\begin{array}{r} \times 21 \\ \hline 70 + 4 \\ \hline \begin{array}{|c|c|} \hline 1400 & 80 \\ \hline 70 & 4 \\ \hline \end{array} \begin{array}{l} 20 \\ + \\ 1 \end{array} \begin{array}{l} 400 \\ 80 \\ 70 \\ 4 \end{array} \\ \hline \boxed{1,554} \end{array}$$

4) Partial Product 95

$$\begin{array}{r} \times 52 \\ \hline 95 \rightarrow 90 + 5 \\ 52 \rightarrow 50 + 2 \\ \hline 90 \times 50 = 4500 \\ 5 \times 2 = 10 \\ 90 \times 2 = 180 \\ 50 \times 5 = 250 \\ \hline \boxed{4,940} \end{array}$$

5) $\begin{array}{r} 24 \\ \times 85 \\ \hline \end{array}$

6) $\begin{array}{r} 99 \\ \times 36 \\ \hline \end{array}$

7) $\begin{array}{r} 94 \\ \times 95 \\ \hline \end{array}$

8) $\begin{array}{r} 19 \\ \times 61 \\ \hline \end{array}$

9) $\begin{array}{r} 91 \\ \times 49 \\ \hline \end{array}$

10) $\begin{array}{r} 88 \\ \times 11 \\ \hline \end{array}$

11) $\begin{array}{r} 44 \\ \times 79 \\ \hline \end{array}$

12) $\begin{array}{r} 46 \\ \times 86 \\ \hline \end{array}$

13) $\begin{array}{r} 30 \\ \times 91 \\ \hline \end{array}$

14) $\begin{array}{r} 35 \\ \times 81 \\ \hline \end{array}$

15) $\begin{array}{r} 80 \\ \times 39 \\ \hline \end{array}$

16) $\begin{array}{r} 63 \\ \times 15 \\ \hline \end{array}$

17) $\begin{array}{r} 90 \\ \times 99 \\ \hline \end{array}$

18) $\begin{array}{r} 96 \\ \times 43 \\ \hline \end{array}$

19) $\begin{array}{r} 91 \\ \times 44 \\ \hline \end{array}$

20) $\begin{array}{r} 50 \\ \times 94 \\ \hline \end{array}$

Answers

Due Friday!

2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____