

6th Grade
Oct 6, 2020

Please get out
yesterday's WS on
subtracting
fractions.

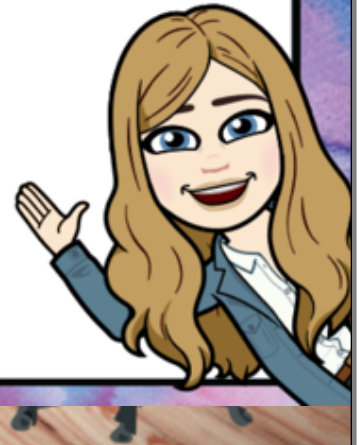
Today we will:
-review WS
-review video notes
-work on WS

HOMEWORK:

Complete WS

THQ due Friday Oct 9

ALEKS-60 minutes



Work on this WS in class. HW if not done.



Name _____

Unit _____ Lesson _____ Due Date _____

PRACTICE

Independent Practice

Subtract. Write each in simplest form.

$$2. \frac{5}{6} - \frac{1}{2} = \frac{1}{3}$$

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

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

$$\frac{5}{6} - \frac{3}{6} = \frac{2}{6} \div \frac{2}{2} = \frac{1}{3}$$

$$3. \frac{2}{5} - \frac{1}{4} = \frac{3}{20}$$

$$\frac{2}{5} \times \frac{4}{4} = \frac{8}{20}$$

$$-\frac{1}{4} \times \frac{5}{5} = -\frac{5}{20}$$

$$\frac{8}{20} - \frac{5}{20} = \frac{3}{20}$$

$$4. \frac{4}{5} - \frac{1}{6} = \frac{19}{30}$$

$$\frac{4}{5} \times \frac{6}{6} = \frac{24}{30}$$

$$-\frac{1}{6} \times \frac{5}{5} = -\frac{5}{30}$$

$$\frac{24}{30} - \frac{5}{30} = \frac{19}{30}$$

$$5. \frac{7}{8} - \frac{1}{2} = \frac{3}{8}$$

$$\frac{7}{8} \times \frac{1}{1} = \frac{7}{8}$$

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

$$\frac{7}{8} - \frac{4}{8} = \frac{3}{8}$$

$$6. \frac{7}{12} - \frac{1}{3} = \frac{1}{4}$$

$$\frac{7}{12} \times \frac{1}{1} = \frac{7}{12}$$

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

$$\frac{7}{12} - \frac{4}{12} = \frac{3}{12} \div \frac{3}{3} = \frac{1}{4}$$

$$7. \frac{5}{6} - \frac{1}{3} = \frac{1}{2}$$

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

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

$$\frac{5}{6} - \frac{2}{6} = \frac{3}{6} \div \frac{3}{3} = \frac{1}{2}$$

$$8. \frac{2}{3} - \frac{3}{10} = \frac{11}{30}$$

$$\frac{2}{3} \times \frac{10}{10} = \frac{20}{30}$$

$$-\frac{3}{10} \times \frac{3}{3} = -\frac{9}{30}$$

$$\frac{20}{30} - \frac{9}{30} = \frac{11}{30}$$

$$9. \frac{5}{8} - \frac{1}{2} = \frac{1}{8}$$

$$\frac{5}{8} \times \frac{1}{1} = \frac{5}{8}$$

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

$$\frac{5}{8} - \frac{4}{8} = \frac{1}{8}$$

$$10. \frac{4}{5} - \frac{2}{15} = \frac{2}{3}$$

$$\frac{4}{5} \times \frac{3}{3} = \frac{12}{15}$$

$$-\frac{2}{15} \times \frac{1}{1} = -\frac{2}{15}$$

$$\frac{12}{15} - \frac{2}{15} = \frac{10}{15} \div \frac{5}{5} = \frac{2}{3}$$

Algebra Find the unknown.

$$11. \frac{5}{6} - \frac{3}{4} = m$$

$$m = \frac{1}{12}$$

$$\frac{5}{6} \times \frac{2}{2} = \frac{10}{12}$$

$$-\frac{3}{4} \times \frac{3}{3} = -\frac{9}{12}$$

$$\frac{10}{12} - \frac{9}{12} = \frac{1}{12}$$

$$12. \frac{2}{3} - \frac{3}{5} = \frac{n}{15}$$

$$n = \frac{1}{15}$$

$$\frac{2}{3} \times \frac{5}{5} = \frac{10}{15}$$

$$-\frac{3}{5} \times \frac{3}{3} = -\frac{9}{15}$$

$$\frac{10}{15} - \frac{9}{15} = \frac{1}{15}$$

$$13. \frac{5}{12} - \frac{1}{6} = p$$

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

$$\frac{5}{12} \times \frac{1}{1} = \frac{5}{12}$$

$$-\frac{1}{6} \times \frac{2}{2} = -\frac{2}{12}$$

$$\frac{5}{12} - \frac{2}{12} = \frac{3}{12} \div \frac{3}{3} = \frac{1}{4}$$



Name _____

Unit ___ Lesson ___ Due Date _____

ADD AND SUBTRACT MIXED NUMBERS

WORDS

STEP 1

Write as a sum or difference of

wholes and
fractions.

STEP 2

Group the wholes and the

fractions together.

STEP 3

Find least common denominator,then add or subtract

the wholes and the fractions.

STEP 4

Write in simplest form.

EXAMPLE

$$2\frac{1}{4} + 1\frac{1}{4} = \square$$

$$\textcircled{2} + \frac{1}{4} + \textcircled{1} + \frac{1}{4}$$

$$2 + 1 + \frac{1}{4} + \frac{1}{4}$$

$$3 + \frac{2}{4}$$

$$3\frac{2}{4} \div \frac{2}{2} = \textcircled{3\frac{1}{2}}$$

WE DO: $7\frac{1}{10} - 7\frac{7}{10} = 7\frac{4}{10}$

$$2 + 5 + \frac{1}{10} + \frac{7}{10}$$

$$7 \quad \frac{8}{10} \div \frac{2}{2} = 7\frac{4}{5}$$

$$\frac{6\frac{5}{8}}{-2\frac{3}{8}}$$

$$4\frac{2}{8} \div \frac{2}{2} = 4\frac{1}{4}$$

$$20 \overline{) 21} \begin{array}{r} 1\frac{1}{20} \\ -20 \\ \hline 1 \end{array}$$

$$9\frac{1}{2} + 12\frac{11}{20} = \frac{2|2,4,6, \dots, 18, 20}{20} \frac{10}{20} + \frac{11}{20}$$

$$9\frac{1}{2} \times \frac{10}{10} = 9\frac{10}{20}$$

$$+ 12\frac{11}{20} = 12\frac{11}{20}$$

$$\frac{21}{21} \quad \frac{21 \frac{21}{20}}{21 + 1\frac{1}{20}}$$

$$\frac{22\frac{1}{20}}$$

$$\frac{9\frac{3}{4} \times \frac{3}{3} = 9\frac{9}{12}}{-1\frac{1}{3} \times \frac{4}{4} = -1\frac{4}{12}}$$

$$\frac{4|4,8,12}{3|3,6,9,12}$$

$$8\frac{5}{12}$$

YOU DO:

$$3\frac{5}{8} + 6\frac{1}{2} =$$

$$\frac{8|8,16}{2|2,4,6,8}$$

$$\frac{9}{8} = 1\frac{1}{8}$$

$$3\frac{5}{8} = \frac{35}{8}$$

$$6\frac{1}{2} \times \frac{4}{4} = \frac{24}{4} = 6$$

$$6\frac{4}{8} + 3\frac{5}{8} = 9\frac{9}{8} = 10\frac{1}{8}$$

$$\frac{4\frac{5}{6}}{-4\frac{1}{3}}$$

LCD=6

$$\frac{4}{2} - 4 = 0$$

$$\frac{5}{6} - \frac{1}{6} = \frac{4}{6} = \frac{2}{3}$$

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

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



HOMEWORK



Name _____

Unit ____ Lesson _____ Due Date _____

Independent Practice

Write each sum in simplest form.

2. $4\frac{3}{5} + 3\frac{1}{5} =$ _____

3. $7\frac{4}{11} + 2\frac{6}{11} =$ _____

4. $5\frac{1}{12} + 6\frac{1}{4} =$ _____

5. $8\frac{4}{15} + 3\frac{2}{15} =$ _____

6. $6\frac{1}{9} + 2\frac{1}{3} =$ _____

7. $5\frac{1}{3} + 6\frac{1}{2} =$ _____

8.
$$\begin{array}{r} 3\frac{4}{9} \\ + 4\frac{2}{3} \\ \hline \end{array}$$

9.
$$\begin{array}{r} 6\frac{3}{4} \\ + 3\frac{1}{8} \\ \hline \end{array}$$

10.
$$\begin{array}{r} 4\frac{3}{7} \\ + 7\frac{1}{2} \\ \hline \end{array}$$

Algebra Find each unknown.

11. $9\frac{9}{10} + 7\frac{3}{5} = y$

12. $14\frac{19}{20} + 8\frac{1}{4} = k$

13. $16\frac{11}{12} + 5\frac{2}{3} = d$

$y =$ _____

$k =$ _____

$d =$ _____

Independent Practice

Write each difference in simplest form.

$$\begin{array}{r} 3. \quad 5\frac{3}{4} \\ - 2\frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 6\frac{5}{7} \\ - 3\frac{3}{7} \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 7\frac{8}{9} \\ - 5\frac{1}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 15\frac{11}{12} \\ - 4\frac{1}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 13\frac{9}{10} \\ - 4\frac{2}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 12\frac{5}{6} \\ - 7\frac{1}{3} \\ \hline \end{array}$$

$$9. \quad 8\frac{3}{8} - 2\frac{1}{4} = \underline{\hspace{2cm}}$$

$$10. \quad 7\frac{7}{8} - 4\frac{1}{2} = \underline{\hspace{2cm}}$$

$$11. \quad 12\frac{7}{10} - 7\frac{2}{5} = \underline{\hspace{2cm}}$$

Mathematical PRACTICE  Use Algebra Find each unknown.

$$12. \quad 11\frac{11}{12} - 2\frac{1}{12} = x$$

$$13. \quad 14\frac{9}{14} - 5\frac{2}{7} = c$$

$$14. \quad 18\frac{11}{15} - 9\frac{2}{5} = n$$

$$x = \underline{\hspace{2cm}}$$

$$c = \underline{\hspace{2cm}}$$

$$n = \underline{\hspace{2cm}}$$