

6th Grade  
Oct 5, 2020

Please get out  
Friday's WS on  
subtracting  
fractions.

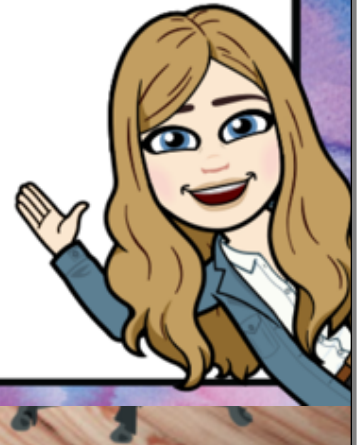
Today we will:  
-review WS  
-do some examples  
-work on WS

HOMEWORK:

Assignment in  
ALEKS due by  
11:30pm TONIGHT

Complete WS

Video notes



Let's review this WS from Friday:



Name \_\_\_\_\_

Unit \_\_\_\_ Lesson \_\_\_\_ Due Date \_\_\_\_\_

**PRACTICE**

### Subtracting Like Fractions

$$1) \quad \frac{2}{3} - \frac{1}{3} = \frac{1}{3}$$

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

$$2) \quad \frac{9}{5} - \frac{7}{5} = \frac{2}{5}$$

$$\frac{9-7}{5} = \frac{2}{5}$$

$$3) \quad \frac{27}{24} - \frac{13}{24} = \frac{7}{12}$$

$$\frac{27-13}{24} = \frac{14}{24} \div \frac{2}{2} = \frac{7}{12}$$

$$4) \quad \frac{20}{12} - \frac{11}{12} = \frac{3}{4}$$

$$\frac{20-11}{12} = \frac{9}{12} \div \frac{3}{3} = \frac{3}{4}$$

$$5) \quad \frac{8}{9} - \frac{4}{9} = \frac{4}{9}$$

$$\frac{8-4}{9} = \frac{4}{9}$$

$$6) \quad \frac{9}{2} - \frac{7}{2} = 1$$

$$\frac{9-7}{2} = \frac{2}{2} \div \frac{2}{2} = 1$$

$$7) \quad \frac{19}{15} - \frac{10}{15} = \frac{3}{5}$$

$$\frac{19-10}{15} = \frac{9}{15} \div \frac{3}{3} = \frac{3}{5}$$

$$8) \quad \frac{7}{11} - \frac{6}{11} = \frac{1}{11}$$

$$\frac{7-6}{11} = \frac{1}{11}$$

$$9) \quad \frac{23}{4} - \frac{21}{4} = \frac{1}{2}$$

$$\frac{23-21}{4} = \frac{2}{4} \div \frac{2}{2} = \frac{1}{2}$$

$$10) \quad \frac{4}{7} - \frac{1}{7} = \frac{3}{7}$$

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

$$11) \quad \frac{24}{20} - \frac{21}{20} = \frac{3}{20}$$

$$\frac{24-21}{20} = \frac{3}{20}$$

$$12) \quad \frac{16}{14} - \frac{8}{14} = \frac{1}{4}$$

$$\frac{16-8}{14} = \frac{8}{14} \div \frac{2}{2} = \frac{1}{4}$$

$$13) \quad \frac{5}{8} - \frac{1}{8} = \frac{1}{2}$$

$$\frac{5-1}{8} = \frac{4}{8} \div \frac{4}{4} = \frac{1}{2}$$

$$14) \quad \frac{19}{18} - \frac{14}{18} = \frac{5}{18}$$

$$\frac{19-14}{18} = \frac{5}{18}$$

Let's do some examples of subtraction with unlike denominators on the next blank page of your binder:

$$\frac{2}{3} - \frac{1}{6} = \boxed{\frac{1}{2}} \quad \begin{array}{r} 3 \overline{) 3, 6} \\ \underline{6} \phantom{6} \\ 6 \phantom{6} \\ \underline{6} \\ 0 \end{array}$$

$$\begin{array}{l} \frac{2}{3} \times \frac{2}{2} = \frac{4}{6} \\ \frac{1}{6} \times \frac{1}{1} = \frac{1}{6} \end{array} \quad \begin{array}{l} 3 \div 3 = 1 \\ 6 \div 3 = 2 \end{array}$$

$$\frac{5}{4} - \frac{2}{3} = \boxed{\frac{7}{12}} \quad \text{LCD} = 12$$

$$\begin{array}{l} \frac{5}{4} \times \frac{3}{3} = \frac{15}{12} \\ \frac{2}{3} \times \frac{4}{4} = \frac{8}{12} \end{array}$$

$$\frac{10}{15} - \frac{2}{5} = \boxed{\frac{4}{15}} \quad \begin{array}{l} \frac{10}{15} \times \frac{1}{1} = \frac{10}{15} \\ \frac{2}{5} \times \frac{3}{3} = \frac{6}{15} \end{array}$$

$$\frac{10}{15} - \frac{6}{15} = \frac{4}{15}$$

$$30 \overline{) 70} \quad \begin{array}{r} 2 \\ \underline{60} \\ 10 \end{array} \quad \frac{10}{30} \div \frac{10}{10} = 2\frac{1}{3}$$

LCD: 30

$$\begin{array}{r} 10 \phantom{00} | 10, 20, 30 \\ 15 \phantom{00} | 15, 30 \end{array}$$

$$\frac{24}{10} - \frac{1}{15} = \boxed{2\frac{1}{3}}$$

$$\begin{array}{l} \frac{24}{10} \times \frac{3}{3} = \frac{72}{30} \\ \frac{1}{15} \times \frac{2}{2} = \frac{2}{30} \end{array} \quad \frac{72}{30} - \frac{2}{30} = \frac{70}{30} = \frac{7}{3} = 2\frac{1}{3}$$

$$\frac{24}{10} \times \frac{3}{3} = \frac{72}{30}$$

$$\frac{1}{15} \times \frac{2}{2} = \frac{2}{30}$$

$$\frac{70}{30}$$





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

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

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

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

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

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

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

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

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

**Algebra** Find the unknown.

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

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

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

$m =$  \_\_\_\_\_

$n =$  \_\_\_\_\_

$p =$  \_\_\_\_\_