

6th Grade
Oct 9, 2020

Please get out your THQ to turn in. Then get out your yesterday's WS on subtracting with borrowing and your video notes HW.

Today we will:

- review WS and video notes
- do some examples together
- work on WS on multiplying fractions

HOMEWORK:

ALEKS-60 minutes



Independent Practice 2-13. See students' estimates.

Estimate, then subtract. Write each difference in simplest form.

$$\begin{array}{r} 2. \quad 4\frac{3}{8} \\ - 1\frac{5}{8} \\ \hline 2\frac{3}{4} \end{array}$$

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

$\frac{4}{3} \times \frac{2}{2} = \frac{8}{6}$

LCD=6

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

$$\begin{array}{r} 3 + \frac{1}{6} \\ \times 6 \\ \hline 19 \end{array} = \frac{19}{6}$$

$$\begin{array}{r} 5. \quad 7\frac{1}{2} \\ - 3\frac{4}{5} \\ \hline 3\frac{7}{10} \end{array}$$

$$\begin{array}{r} 6. \quad 3\frac{4}{8} \\ - 1\frac{1}{8} \\ \hline 2\frac{7}{8} \end{array}$$

$$\begin{array}{r} 7. \quad 11\frac{6}{6} \\ - 5\frac{1}{6} \\ \hline 6\frac{5}{6} \end{array}$$

$$8. \quad 7\frac{2}{7} - 6\frac{4}{7} = \underline{1\frac{5}{7}}$$

$$9. \quad 9\frac{3}{10} - 5\frac{7}{10} = \underline{3\frac{3}{5}}$$

$$10. \quad 10\frac{1}{3} - 3\frac{2}{3} = \underline{6\frac{2}{3}}$$

$$11. \quad 18 - 9\frac{1}{4} = \underline{8\frac{3}{4}}$$

$$12. \quad 13 - 4\frac{1}{3} = \underline{8\frac{2}{3}}$$

$$13. \quad 5\frac{1}{4} - 1\frac{1}{2} = \underline{3\frac{3}{4}}$$

multiplying fractions

Step 1:
Multiply the
numerators

Step 2:
Multiply the
denominators

Step 3:
Simplify
your answer

Step 1:
Find Common
factors

Step 2:
Cross-cancel
(or simplify)
first

Step 3:
Multiply
across numerator and
denominator

$$\frac{1}{2} \times \frac{3}{5} = \frac{3}{10}$$

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

(Handwritten: 3 and 4 are circled in green, 4 and 9 are crossed out in red)

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

$$\frac{5}{6} \times \frac{9}{10} = \frac{3}{4}$$

(Handwritten: 5 and 9 are circled in green, 6 and 10 are crossed out in red)

$$\frac{2}{3} \times \frac{5}{6} = \frac{10}{18} \div 2 = \frac{5}{9}$$

$$\frac{3}{5} \times \frac{10}{1} = \frac{6}{1} = 6$$

(Handwritten: 3 and 10 are circled in green, 5 and 10 are crossed out in blue)

$$\frac{1}{2} \times \frac{4}{5} = \frac{4}{10} \div \frac{2}{2} = \left(\frac{2}{5}\right)$$

$$\frac{\overset{1}{\cancel{2}}}{\underset{1}{\cancel{2}}} \times \frac{\overset{2}{\cancel{4}}}{5} = \frac{1 \times 2}{1 \times 5} = \frac{2}{5}$$

$$\frac{3}{4} \times \frac{5}{6} = \frac{15}{24} = \frac{3}{2} - \frac{5}{8}$$

$$\frac{\overset{1}{\cancel{3}}}{\cancel{4}} \times \frac{\overset{5}{\cancel{6}}}{\underset{2}{\cancel{2}}} = \frac{1 \times 5}{4 \times 2} = \frac{5}{8}$$

$$\frac{4}{9} \times \frac{18}{1} = \frac{72}{9} = \textcircled{8}$$
$$\begin{array}{r} 8 \\ 9 \overline{)72} \\ \underline{72} \\ 00 \end{array}$$

$$\frac{4}{9} \times \frac{18}{1} = \frac{8}{1} = \textcircled{8}$$



Name _____

Unit _____ Lesson _____ Due Date _____

PRACTICE

Multiply. Write in simplest form. (Examples 1–3)

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

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

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



4. $\frac{1}{3} \times 15 =$ _____

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

6. $\frac{4}{5} \times \frac{3}{8} =$ _____

7 Financial Literacy Juanita spent $\frac{3}{4}$ of her allowance at the mall. Of the money spent at the mall, $\frac{1}{2}$ was spent on new earphones. What part of her allowance did Juanita spend on earphones? (Example 4)

~~8. A paint store has 35 gallons of paint in storage, $\frac{2}{5}$ of which are for outdoor use. The others are for indoor use. If each gallon costs \$22, what is the total cost of the indoor paint in storage?~~

9 Homeroom 101 and Homeroom 102 share a hallway bulletin board. If Homeroom 101 uses $\frac{3}{5}$ of their half to display artwork, what fraction of the bulletin board is used to display Homeroom 101's artwork?



Common Core Spiral Review

Multiply. **5.NBT.5**

28. $12 \times 6 \times 9 =$ _____

29. $5 \times 22 \times 3 =$ _____

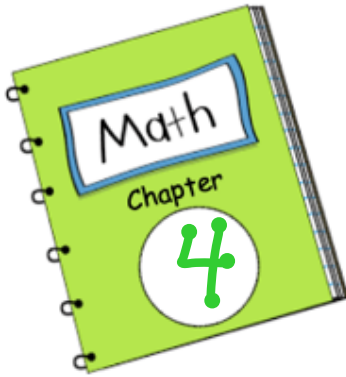
30. $15 \times 8 \times 11 =$ _____

31. Elise planted a row of flowers in an area with the dimensions shown at the right. What is the area of her flower garden? **5.NF.4b**



32. Without multiplying, determine whether the product of $5 \times \frac{4}{5}$ is located on the number line at point A, B, or C. Explain your reasoning. **5.NF.5b**





TITLE:
Fractions

Date	Lesson	Topic/Assignment
9/28	-	Add Fractions Like Denom. Video Notes
9/29	-	Maze HW
9/29	-	Classwork Practice-Riddle WS
9/30	-	Add Fractions Unlike Denom Video Notes
9/30	-	Practice WS
10/1	-	Practice WS2
10/2	-	Subtract Fractions Like Denom Video Notes
10/2	-	Practice WS
10/5	-	Examples and WS on Subtract Unlike Denom
10/6	-	Add and Subtract Mixed Numbers Video Notes
10/7	-	HW- Practice WS
10/7	-	HW- Practice WS #2
10/8	-	Subtract with Borrowing Video Notes and Examples
10/8	-	HW- Practice WS
10/9	3	Multiply Fractions Video Notes
10/9	3	Classwork Practice- WS

