

6th Grade
Oct 12, 2020

Please get out
Friday's WS on
multiplying.

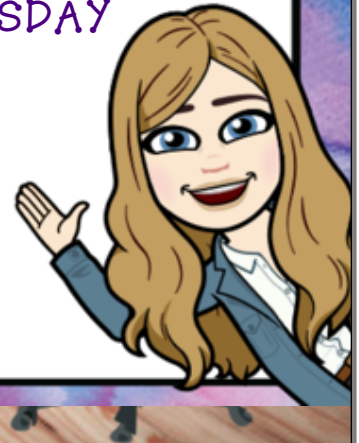
Today we will:
-complete and
review WS
-take some notes
on dividing
fractions
-work on WS on
multiplying and
dividing fractions

HOMEWORK:

WS

ALEKS-60 minutes
due by 11:59pm
TONIGHT

Test and binder
check THURSDAY



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

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

2. $\frac{3}{4} \times \frac{5}{8} = \frac{15}{32}$

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

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

How did you work?

4. $\frac{5}{6} \times 15 = 12\frac{1}{2}$

$\frac{5}{6} \times \frac{15}{1} = \frac{75}{6}$

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

6. $\frac{4}{5} \times \frac{2}{7} = \frac{1}{6}$

1×1
 3×2

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)

$\frac{3}{8}$
 $\frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$



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?

\$462

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?

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

Spiral Review

Multiply. 5.NBT.5

28. $12 \times 6 \times 9 = 648$

29. $5 \times 22 \times 3 = 330$

30. $15 \times 8 \times 11 = 1,320$

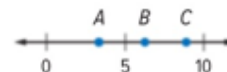
31. Elise planted a row of flowers in an area with the dimensions shown at the right. What is the area of her flower garden? 5.NF.4b

4 square feet

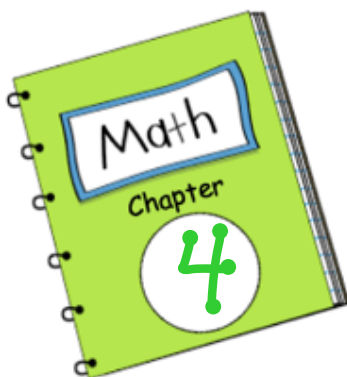


$\frac{1}{2} \times \frac{4}{8} = \frac{4}{16}$

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



A; The product must be less than 5 because the factors are 5 and a fraction less than 1.



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
10/12	3-4	Divide Fractions In-Class Notes
10/12	3-8	Multiply and Divide Fractions HW WS

Find the Reciprocal of Each Number

$\frac{6}{7}$

$$\frac{7}{6}$$

$\frac{6}{1}$

$$\frac{1}{6}$$

$$\begin{array}{r} + \\ \times \\ \hline 4 \\ 5 \end{array} \frac{22}{5} = \frac{22}{5}$$

$$\frac{5}{22}$$



Dividing Fractions

Steps to Divide Fractions

K Keep

the first fraction the same.

C Change

the division sign to a multiplication sign

F Flip

the second fraction to its reciprocal.

Write your answer in simplest form!

Divide a Whole Number by a Fraction

KCF
 $6 \div \frac{1}{3}$

$$\frac{6}{1} \times \frac{3}{1} = \frac{18}{1} = 18$$

Divide a Fraction by a Fraction

KCF
 $\frac{3}{7} \div \frac{2}{3}$

$$\frac{3}{7} \times \frac{3}{2} = \frac{9}{14}$$

Divide Mixed Numbers

KCF
 $1\frac{3}{4} \div \frac{2}{5}$

$$1\frac{3}{4} \times \frac{5}{2} = \frac{35}{8} = 4\frac{3}{8}$$

KCF
 $4 \div \frac{3}{4}$

$$\frac{4}{1} \times \frac{4}{3} = \frac{16}{3} = 5\frac{1}{3}$$

KCF
 $\frac{1}{2} \div \frac{3}{8}$

$$\frac{1}{2} \times \frac{8}{3} = \frac{8}{6} = 1\frac{2}{3}$$

KCF
 $5\frac{1}{2} \div 2\frac{1}{2}$

10 | 22

K ↓ C ↓ F ↓

$$2\frac{1}{2} \times \frac{2}{5} = \frac{22}{10} = 2\frac{2}{10} = 2\frac{1}{5}$$

KCF
 $5 \div \frac{2}{3}$

$$\frac{5}{1} \times \frac{3}{2} = \frac{15}{2} = 7\frac{1}{2}$$

KCF
 $\frac{2}{5} \div \frac{1}{10}$

$$\frac{2}{5} \times \frac{10}{1} = \frac{20}{5} = 4$$





HOMEWORK



Name _____

Unit ____ Lesson _____ Due Date _____

Multiply. Try ~~cross-cancelling~~ if you can! Write in simplest form.

1. $\frac{3}{10} \times \frac{7}{9}$

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

3. $\frac{3}{4} \times 3\frac{1}{3}$

Find the reciprocal of each number.

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

5. 12

6. $\frac{4}{7}$

7. $2\frac{8}{11}$

Divide. Write in simplest form.

8. $2 \div \frac{1}{3}$

9. $4 \div \frac{1}{2}$

10. $1 \div \frac{3}{5}$

Divide. Write in simplest form.

11. $\frac{1}{2} \div \frac{4}{5}$

12. $\frac{2}{5} \div \frac{1}{6}$

13. $\frac{9}{10} \div \frac{2}{3}$

Divide. Write in simplest form.

14. $3 \div 1\frac{1}{3}$

15. $4\frac{6}{7} \div 3\frac{2}{5}$