Do Now:

1.) -7 * (-16)

2.) Find the area of a rectangle if length is 15 inches and width is 11 inches.

3.) Find x^2 if x = 8

Do Now:

On Monday, Luis's plant was $2\frac{3}{4}$ inches long. By Friday, it was $8\frac{1}{8}$ inches long.

How much did the plant grow?

Do Now:

1. Solve the equation.

$$7\frac{7}{6} - 6\frac{5}{9} - y = \frac{1}{3}$$

2. Explain the process for adding or subtracting two fractions with:

   a. common denominators

   b. different denominators

#30, 32, 24, 26, 15,

Gianna (15) $11\frac{19}{36}$ or $\frac{415}{36}$

(24) $-\frac{36\epsilon}{91}$ Tymira New Guy

(26) $\frac{54+11a}{21a}$ Jaquaan

(30) $\frac{97}{24}$

(32) $\frac{233}{70}$

(30) $6\frac{3}{8} + 2\frac{5}{12} - x = 4\frac{3}{4}$

(32) $z + 3\frac{4}{7} - 5\frac{2}{5} = 1\frac{1}{2}$

Do Now: Multiplication Challenge

5.3 Multiplying Fractions

7.NS
7.EE

- SWBAT multiply fractions and mixed numbers.
- SWBAT understand numbers; compute fluently.

- Calculators: No

Multiplying Fractions

$$\frac{a}{b} * \frac{c}{d} = \frac{a * c}{b * d}$$

Find the product.

1.) $\frac{-2}{5} * \frac{-2}{3} = \frac{-2(-2)}{5(3)} = \frac{4}{15}$

2.) $-2\frac{1}{5} * 3\frac{3}{4}$

$-\frac{11}{5} \cdot \frac{15}{4} = \frac{-11(15)}{5(4)} = \frac{-165}{20} = \frac{-33}{4}$ $\div 5$

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

$\frac{-11}{5} \cdot \frac{15}{4} = \frac{-11}{1} \cdot \frac{3}{4}$ $\div 5$ $\div 5$

$= \frac{-11(3)}{1(4)} = \frac{-33}{4}$

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

3.) $\frac{-3}{4} * \frac{-7}{9} = \frac{-1(-7)}{4(3)} = \frac{7}{12}$

4.) $-4\frac{9}{10} * \frac{5}{7}$

$\frac{-49}{10} \cdot \frac{5}{7} = \frac{-7(1)}{2(1)} = \frac{-7}{2}$

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

Find the product.

1.) $\frac{-5}{12} * \frac{9}{10} = \frac{-3}{8}$

2.) $\frac{-5}{6} * \frac{7}{9} = \frac{-35}{54}$

3.) $\frac{1}{6} * \frac{12}{17} = \frac{2}{17}$

4.) $\frac{7}{12} * -15 = \frac{-35}{4}$

$\frac{7}{12} \cdot \frac{-15}{1}$ (÷3) (÷3)

$\frac{7}{4} \cdot \frac{-5}{1}$

4

A postcard is $5\frac{1}{2}$ inches long and $3\frac{3}{4}$ inches wide.

Find the area of the postcard.

A dog's bed is $2\frac{1}{8}$ feet wide and $5\frac{1}{3}$ feet long.

Find the area of the bed.

Evaluate x^2y, when x = $\frac{-4}{5}$ and y = $\frac{2}{3}$

$x^2 \cdot y$

$\left(\frac{-4}{5}\right)^2 \cdot \left(\frac{2}{3}\right)$

$(-4)(-4) = 16$

$\frac{(-4)^2}{5^2} \cdot \left(\frac{2}{3}\right)$

$\frac{16}{25} \cdot \frac{2}{3}$

$\frac{32}{75}$

Evaluate a^2b, when a = $\frac{5}{6}$ and b = $\frac{-9}{10}$

$\left(\frac{5}{6}\right)^2 \cdot \frac{-9}{10}$

$\frac{5}{25} \cdot \frac{-9}{10} = \frac{-5}{8}$

Evaluate the expression.

$$-\frac{7}{8}+5\frac{1}{2}*\frac{11}{15}$$

$$\frac{5}{2}\left(\frac{8}{9}-\frac{5}{12}\right)$$

$$5-\left(\frac{1}{3}+\frac{1}{6}\right)$$

Exit Pass 5.3

Explain how to multiply mixed numbers.

"Don't blame the sea if you cannot catch a fish."

Working individually or with a partner, complete the workbook.

Workbook pg.

Reflection of Today's Lesson

5.3 Multiplying Fractions

7.NS
7.EE

- SWBAT multiply fractions and mixed numbers.
- SWBAT understand numbers; compute fluently.

- Calculators: No

Homework

pg. 232 #7-23 odds, 29-31 all, 33-35 all

Test Corrections
due tomorrow
(Must be signed)