October 23, 2019 9:53 PM

Math 9

Name: _____

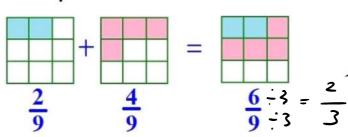
Ch 3 Day 7 Adding and Subtracting Fractions

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Adding and Subtracting Fractions (3.2 and 3.3)

Remember The greatest force wins!

Example 1.

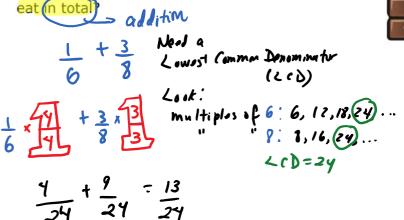


You NEED a common denominator

a)
$$\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$$

$$\frac{5+(-3)}{8} = \frac{2}{8} = \frac{1}{4}$$

c) Bob ate 1/6 of a chocolate bar and Sue ate 3/8 of a chocolate bar, how much chocolate did they





d)
$$\frac{1}{4} + \left(-\frac{2}{3}\right) LCD = 12$$

$$64, 9, 12, ... 3, 6, 9, 12, ...$$

$$\frac{1}{4} \times \frac{13}{3} + \left(-\frac{2}{3}\right) \times \frac{14}{4}$$

$$= \frac{3}{12} + \left(-\frac{12}{12}\right) = -\frac{5}{12}$$

d)
$$\frac{1}{4} + \left(-\frac{2}{3}\right) LCD = 12$$

64,9,12... 3,6,9,12...
 $\frac{1}{4} \times \frac{13}{3} + \left(-\frac{2}{3}\right) \times \frac{17}{4}$
 $= \frac{3}{12} \cdot \left(-\frac{1}{12}\right) = -\frac{1}{12}$
 $\frac{-21}{5} \times \frac{7}{7} + \frac{37}{7} \times \frac{185}{5} = \frac{38}{35}$
 $\frac{21}{177} \times \frac{37}{7} \times \frac{185}{35} = \frac{38}{35}$

Subtraction: Subtraction means a the o proste!

Example 2: Review subtraction

a)
$$(-3) \leftarrow (-3) + 7 = 1$$
 c) $(-5) -7 = (-5) + (-7) = -12$

c)
$$(-5) -7 = (-5) + (-7) = -12$$

b)
$$5 - (7) = 5 + (-7) = -2$$
 d) $4 - (-9) = 4 + 9 = 13$

d)
$$4 - (-9) = 4 + 9 = 13$$

Example 3.

a)
$$\frac{1}{4} = \left(-\frac{2}{3}\right)$$
 L(D=12)
 $\frac{1}{7}$ $\frac{13}{12}$ + $\frac{2}{3}$ $\frac{11}{12}$

b)
$$\left(-\frac{5}{8}\right) - \left(-\frac{2}{3}\right)$$
 $\angle (D = 29)$

$$\left(\frac{-5}{8}\right) \times \frac{3}{3} + \frac{2}{3} \times \frac{3}{7}$$

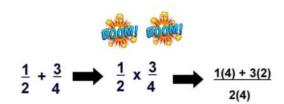
$$-\frac{15}{24} + \frac{16}{29}$$

$$\left(\frac{1}{29}\right)$$

c)
$$\left(-4\frac{1}{5}\right) - \left(5\frac{1}{5}\right)$$

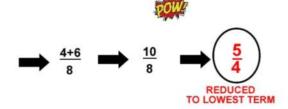
 $\left(-21\right)\frac{1}{7}\left(-\frac{37}{7}\right)\frac{1}{5}$
 $= \frac{-147}{35} + \frac{-135}{35}$
 $= \frac{-147}{35} + \frac{-135}{35}$
 $= \frac{-332}{35}$
 $= \frac{147}{35}$
 $= \frac{-9}{35}$

Another Way: Boom! Boom! Pow! Reduce!



Assignment:

- "How could Goldilocks..." Worksheet
- Did you hear about....?"
 Worksheet



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Sec. 3.2, p. 113 #20 and Sec. 3.3, p. 120 #15bdf