

Warm Up

6 r a d e s

Determine the sum of each of the following

1) $\frac{-3}{7} + \left(\frac{-3}{7}\right) = \frac{-6}{7}$

2) a) $2.7 + 1.8$

4.5

b) $-3.7 + 4.5$

$+0.8$

c) $2.7 + (-8.7)$

-6

- 5 (bc) Use Calculators no # line needed
- 6 (all) Use Calculators no # line needed
- 7 (ac) Leave in fractional form (no calculator)
- 9 (acf) Use Calculators

5. b) $-3 + (-2) = -5$ $-3.8 + (-2.4) = -6.2$
 c) $-3 + 2 = -1$ $-3.8 + 2.4 = -1.4$

6. -4.2
 $-1.9 + (2.3)$
 $(-2.3) + (-1.9)$

7a) $9 + 3 = 12$ c) $-9 + 3$
 -6

$\frac{9}{2} + \frac{3}{2} = \frac{12}{2} = 6$ $-\frac{9}{2} + \frac{3}{2} = \frac{-6}{2} = -3$

9. a) $-5.6 + 3.2$ c) $-0.325 + (-3.5)$
 -2.4 -32.825

$\begin{array}{r} 5.6 \\ 3.2 \\ \hline 2.4 \end{array}$ $\begin{array}{r} 32.500 \\ 0.325 \\ \hline 32.825 \end{array}$

f) $-17.84 + (-0.098)$
 -17.938

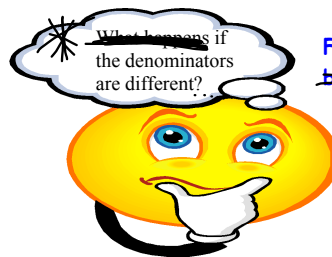
Class/Homework

Page 111 - 112

Don't just give answers copy down the addition statement (Not directions)



- 5 (bc) Use Calculators no # line needed
- 6 (all) Use Calculators no # line needed
- 7 (ac) Leave in fractional form (no calculator)
- 9 (acf) Use Calculators



Find a ~~by determining the~~ LCM.

Lowest
Common
Multiple

Find a common denominator:

$$\frac{4^{\cdot 3}}{5^{\cdot 3}} + \frac{8^{\cdot 5}}{3^{\cdot 5}}$$

$$= \frac{12}{15} + \frac{40}{15}$$

$$= \frac{52}{15}$$

$$= 3\frac{7}{15}$$

Multiples

5	3
5 x 1 = 5	3 x 1 = 3
5 x 2 = 10	3 x 2 = 6
5 x 3 = 15	3 x 3 = 9
5 x 4 = 20	3 x 4 = 12
	3 x 5 = 15

LCM 15

$$\frac{3^{\times 3}}{4^{\times 3}} + \frac{-5^{\times 2}}{6^{\times 2}}$$


$$= \frac{9}{12} + \frac{-10}{12}$$

$$\boxed{\frac{-1}{12}}$$

Find the LCM first!

Multiples of 4 and 6:

4	4	8	12	16	20
6	6	12	18		



$$\frac{3^{\times 6}}{4^{\times 6}} + \frac{-5^{\times 4}}{6^{\times 4}}$$

$$\frac{18}{24} + \frac{-20}{24}$$

$$\frac{-2}{24} = \frac{-1}{12}$$

What about mixed numbers?

$$2\frac{1}{3} + 2\frac{3}{5}$$



Step 1: Write each mixed number as an improper fraction.

$$\frac{7}{3} + \frac{13}{5}$$

LCM

Step 2: Find a common denominator, and then add numerators.

$$\frac{35}{15} + \frac{39}{15} = \frac{74}{15} = 4\frac{14}{15}$$

Practice!

1) $5\frac{7}{8} + (-3\frac{1}{2})$

Improper $\frac{47}{8} + \left(\frac{-7}{2}\right) \times 4$
 $\frac{47}{8} + \frac{-28}{8}$
 $\frac{19}{8} = 2\frac{3}{8}$

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

$-\frac{5}{3} + \left(-\frac{9}{4}\right) \times 3$
 $-\frac{20}{12} + \left(\frac{-27}{12}\right)$
 $-\frac{47}{12}$



Classwork / Homework:

p. 111 - 113

- 8 (all) Leave in fractional form (no calculator)
- 9 (bde) Use Calculators

11 (acegi) (Without calculator)

~~11 (acegi) (Without calculator)~~