September 23, 2015

#19) $3\frac{6}{7} + \left(-1\frac{1}{7}\right) =$

$\frac{(3\cdot7)+6}{7} + \left(\frac{(-1\cdot7)+1}{7}\right)$

$\frac{21+6}{7} + \left(\frac{-7+1}{7}\right)$

$\frac{27}{7} + \left(-\frac{6}{7}\right)$

Common Denominator

$\frac{27+(-6)}{7} = \frac{21}{7} = \boxed{3}$

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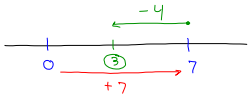
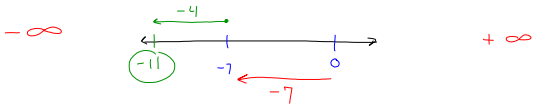
$7 + (-4) = 7 - 4$




$-7 - 4 = (-7) + (-4)$




order Principal

a b

$a < b$ or $b > a$

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$-(-7) - (-4)$

$(-1)\cdot(-7) + (-1)\cdot(-4)$

$7 + 4 = 11$

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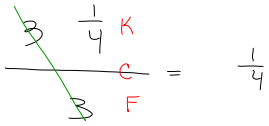


$= \frac{1}{4}$

$\frac{\frac{13}{4}}{\frac{3}{1}} = \frac{13}{4}\cdot\frac{1}{3} = \boxed{\frac{13}{12}}$

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$3 - \frac{6}{7}$

$-\boxed{3\frac{1}{4}} = -\frac{13}{4}$

$3 + \frac{1}{4}$

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