2.3 Subtraction of Fractions w/ negatives p.60

Don't forget to add the opposite; "Boom, Boom" then follow the rules for addition (song)

* if subtracting, make sure larger amount is on top

Examples

1) $-4\frac{1}{7} + (+\frac{6}{7}) = \boxed{-3\frac{2}{7}}$

$3\frac{8}{7}$

$-\frac{6}{7}$

$3\frac{2}{7}$

2) $\frac{1}{3} + (+\frac{1}{3}) = \boxed{\frac{2}{3}}$

3) $-3\frac{1}{3} + {}^{-}\frac{5}{6} = \boxed{-4\frac{1}{6}}$

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

$+\frac{5}{6} = \frac{5}{6}$

$3\frac{7}{6} = 4\frac{1}{6}$

4) $4\frac{1}{2} + {}^{-}5\frac{1}{4} = \boxed{\frac{-3}{4}}$

$5\frac{1}{4} = 5\frac{1}{4}$

$-4\frac{1}{2} = 4\frac{2}{4}$

$3/4$

5) $-2\frac{2}{3} + {}^{-}2\frac{1}{3} = \boxed{-5}$

$2\frac{2}{3}$

$2\frac{1}{3}$

$4\frac{3}{3} = 5$

6) $2\frac{1}{6} + (-\frac{8}{3}) = \boxed{-\frac{1}{2}}$

$2\frac{1}{6} + (-2\frac{2}{3})$

$\frac{2}{3} = \frac{4}{6}$

$2\frac{4}{6}$

$-2\frac{1}{6}$

$3/6$

7) $-8\frac{2}{3} + -6\frac{1}{6} = \boxed{-14\frac{5}{6}}$

$8\frac{2}{3} = 8\frac{4}{6}$

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

$14\frac{5}{6}$

8) $\frac{5}{12} + -\frac{3}{10} = \boxed{7/60}$

$\frac{25}{60} - \frac{18}{60} = \frac{7}{60}$

Find the distance between the two numbers on a number line:

a) $-2\frac{1}{2}, -5\frac{3}{4}$

b) $-6, -4\frac{1}{3}$

* don't actually use a number line
* subtract the two numbers (boom boom)
* take the absolute value of the answer