

UOL4 Adding and Subtracting Fractions

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eg. $1\frac{5}{6} + \frac{2}{3}$
 $= \frac{11}{6} + \frac{2}{3}$
 $= \frac{11}{6} + \frac{4}{6}$ ← common denominators
 $= \frac{15}{6}$ ($\div 3$) = $\frac{5}{2}$ OR $2\frac{1}{2}$ ✓ 😊
 REDUCE

eg. $1\frac{5}{6} - \frac{2}{3}$
 $= \frac{11}{6} - \frac{2}{3}$
 $= \frac{11}{6} - \frac{4}{6}$
 $= \frac{7}{6}$ OR $1\frac{1}{6}$ ✓

Steps for +/- Fractions:

1) change all mixed fractions to improper.

eg. $3\frac{4}{5} = \frac{19}{5}$

$\otimes \otimes \otimes \otimes$
 $5 + 5 + 5 + 4$

2) Make common denominators.

eg. $\frac{5}{7} + \frac{2}{3}$
 $= \frac{15}{21} + \frac{14}{21}$ ← "C.D."

3) Add/Sub tops (numerators), KEEP bottoms (denominators)

4) Reduce to LOWEST TERMS

eg. $\frac{21}{14} = \frac{3}{2}$ OR $1\frac{1}{2}$
 remainder
 same denom.
 how many times 2 goes into 3

Assignment: UOL4 wkst (+/- Fractions)

1, 2 (a, g, n, o); 3, 4 10 mks