6.6 Applying Fraction Operations


Brackets Division Multiplication

* multiply and divide in order from let to right
add or subtract in order from Left to right

Ex \#

$$
\begin{aligned}
& 2-\frac{1}{4}+3 \times \frac{1}{2} \\
= & \frac{2}{1} \times \frac{4}{1}+3 \times \frac{1}{2} \\
= & \frac{8}{1}+3 \times \frac{1}{2} \\
= & \frac{8}{1}+\frac{3}{1} \times \frac{1}{2} \\
= & \frac{8 \times 2}{1 \times 2}+\frac{3}{2} \Rightarrow \frac{16}{2}+\frac{3}{2}=\frac{19}{2}=9 \frac{1}{2}
\end{aligned}
$$

$$
\begin{aligned}
& \text { b) } \frac{1}{3} \times(9-2)-\frac{5}{6} \\
& =\frac{1}{3} \times(7)-\frac{5}{6} \\
& =\frac{7 \times 2}{3} \times 2-\frac{5}{6} \Rightarrow \frac{14}{6}-\frac{5}{6}=\frac{9-3}{6-3}=\frac{3}{2}=1 \frac{1}{2}
\end{aligned}
$$

$$
\begin{aligned}
& \text { c) } 2 \frac{1}{4}-\left(1 \frac{3}{4}+1 \frac{1}{4}\right) \\
& =2 \frac{1}{4}-\left(2 \frac{4}{4}\right) \\
& \text { 个 }{ }^{\text {or }} \frac{7}{4}+\frac{5}{4} \\
& =2 \frac{1}{4}-3 \\
& =\frac{12}{4} \\
& =3 \\
& =\frac{9}{4} \times \frac{1}{3}=\frac{9}{12}=\frac{3}{4} \\
& \text { pg } 234 \text { \# 4-13, }
\end{aligned}
$$

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