

## Recap - Mixed Number Arithmetic

Addition

$$\begin{aligned} & 2\frac{3}{4} + 1\frac{2}{3} \\ &= 3\frac{9+8}{12} \\ &= 3\frac{17}{12} \\ &= 4\frac{5}{12} \end{aligned}$$

Subtraction

$$\begin{aligned} & 6\frac{1}{3} - 1\frac{4}{5} \\ &= 4\cancel{5}^{\substack{15+ \\ 5-12}}\frac{5-12}{15} \\ &= 4\frac{8}{15} \end{aligned}$$

Multiplication

$$\begin{aligned} & 2\frac{1}{4} \times 1\frac{2}{3} \\ &= \cancel{2}^3\frac{1}{4} \times \frac{5}{\cancel{3}_1} \\ &= \frac{3 \times 5}{4 \times 1} \\ &= \frac{15}{4} \\ &= 3\frac{3}{4} \end{aligned}$$

Division

$$\begin{aligned} & 6\frac{2}{3} \div 2\frac{1}{7} \\ &= \frac{20}{3} \div \frac{15}{7} \\ &= \cancel{20}^4\frac{20}{3} \times \frac{7}{\cancel{15}_3} \\ &= \frac{4 \times 7}{3 \times 3} \\ &= \frac{28}{9} \\ &= 3\frac{1}{9} \end{aligned}$$