

Review

4. $7 \frac{2}{21} + 5 \frac{14}{15} + 1 \frac{11}{18}$

Adding Fractions

1. $\frac{3}{5} + \frac{1}{5} = \frac{4}{5}$

2. $\frac{4}{5} \cdot \frac{3}{3} + \frac{7}{15} = \frac{12}{15} + \frac{7}{15} = \frac{19}{15} = 1 \frac{4}{15}$

3. $\frac{3}{14} \cdot \frac{6}{6} + \frac{5}{7} \cdot \frac{7}{7} = \frac{18}{84} + \frac{35}{84} = \frac{53}{84}$

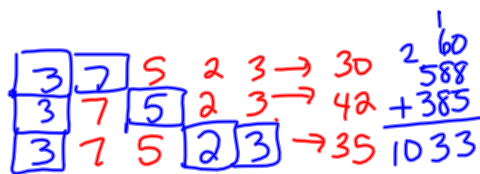


$$\begin{array}{r} 2 \\ 14 \\ \underline{6} \\ 84 \end{array}$$

$$\frac{60}{630} + \frac{588}{630} + \frac{385}{630} = \frac{1033}{630} = 1 \frac{403}{630}$$

4. $7 \frac{2}{21} \cdot \frac{30}{30} + 5 \frac{14}{15} \cdot \frac{42}{42} + 1 \frac{11}{18} \cdot \frac{35}{35} = 13$

14	403
630	



$$\begin{array}{r} 35 \\ \times 11 \\ \hline 35 \\ 35 \\ \hline 385 \end{array}$$

$$\begin{array}{r} 42 \\ \times 14 \\ \hline 168 \\ 42 \\ \hline 588 \\ + 42 \\ \hline 630 \checkmark \end{array}$$

4. $2 \frac{1}{6} \cdot \frac{4}{4} + 3 \frac{5}{8} \cdot \frac{3}{3} + 5 \frac{2}{3} \cdot \frac{8}{8} = 10$

$\frac{1}{6}$ factors: $2 \cdot 3$
 $\frac{5}{8}$ factors: $2 \cdot 2 \cdot 2$
 $\frac{2}{3}$ factors: 3

① $2 \cdot 3 \cdot 2 \cdot 2 \rightarrow 4$
 ② $2 \cdot 3 \cdot 2 \cdot 2 \rightarrow 3$
 ③ $2 \cdot 3 \cdot 2 \cdot 2 \rightarrow 8$

LCM = 24

$$\frac{4}{24} + \frac{15}{24} + \frac{16}{24} = \frac{35}{24} + 10$$

$$= 1 \frac{11}{24} + 10$$

$$11 \frac{11}{24}$$

7 $\frac{3}{10} \cdot \frac{15}{15}$ 8 $\frac{4}{25} \cdot \frac{6}{6}$ 3 $\frac{7}{15} \cdot \frac{10}{10}$

$\frac{3}{10}$ factors: $2 \cdot 5$
 $\frac{4}{25}$ factors: $5 \cdot 5$
 $\frac{7}{15}$ factors: $3 \cdot 5$

$2 \cdot 5 \cdot 5 \cdot 3 \rightarrow 15$
 $2 \cdot 5 \cdot 5 \cdot 3 \rightarrow 6$
 $2 \cdot 5 \cdot 5 \cdot 3 \rightarrow 10$

$7 + 8 + 3 = 18$

$\frac{45}{150} + \frac{24}{150} + \frac{70}{150} = \frac{139}{150}$

$18 \frac{139}{150}$

7. $8 - \frac{2}{11}$