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

$5 \cdot 3$ $5 \cdot 3$

3. $\frac{3}{14} \cdot \frac{6}{6} + \frac{5}{12} \cdot \frac{7}{7} = \frac{18}{84} + \frac{35}{84} = \frac{53}{84}$

$14 = 7 \cdot 2$ $12 = 3 \cdot 2 \cdot 2$

$3\ 2\ 2\ 7 \rightarrow 6$

$3\ 2\ 2\ 7 \rightarrow 7$

$2 \cdot 14 \cdot 6 = 84$

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

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

$21 = 3 \cdot 7$ $15 = 3 \cdot 5$ $18 = 2 \cdot 9 = 2 \cdot 3 \cdot 3$

$+13$

$14\frac{403}{630}$

$3\ 7\ 5\ 2 \rightarrow 30$

$3\ 7\ 5\ 2 \rightarrow 42$

$3\ 7\ 5\ 2\ 3 \rightarrow 35$

$60 + 588 + 385 = 1033$

$35 \times 11 = 35 + 350 = 385$

$42 \times 14 = 168 + 420 = 588$

$588 + 42 = 630$ ✓

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

$2\cdot3$ 4 (2), (2)(2) 3

① 2 3 2 2 → 4
② 2 3 2 2 → 3
③ 2 3 2 2 → 8

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

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

$11\frac{11}{24}$

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

$2\cdot5$ $5\cdot5$ $3\cdot5$

2 5 5 3 → 15
2 5 5 3 → 6
2 5 5 3 → 10

$7 + 8 + 3 = 18$

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

$18\frac{139}{150}$

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