

N5 Homework - Fractions Solutions

1. $6 + \frac{25}{30} + \frac{18}{30} = 6 + \frac{43}{30} = 7\frac{13}{30}$

2. $3 + \frac{6}{15} - \frac{10}{15} = 3 - \frac{4}{15} = 2\frac{11}{15}$

3. $\frac{11}{\cancel{4}^1} \times \frac{\cancel{4}^1}{3} = \frac{11}{3} = 3\frac{2}{3}$

4. $\frac{11}{2} \div \frac{11}{3} = \frac{\cancel{11}^1}{2} \times \frac{3}{\cancel{11}^1} = \frac{3}{2} = 1\frac{1}{2}$

5. $\frac{3}{8} \times \left(\frac{5}{3} - \frac{4}{7}\right) = \frac{3}{8} \times \left(\frac{35}{21} - \frac{12}{21}\right) = \frac{\cancel{3}^1}{8} \times \frac{23}{\cancel{21}^7} = \frac{23}{56}$

6. $\frac{3}{7} \times \left(\frac{11}{6} + \frac{3}{4}\right) = \frac{3}{7} \times \left(\frac{22}{12} + \frac{9}{12}\right)$
 $= \frac{\cancel{3}^1}{7} \times \frac{31}{\cancel{12}^4} = \frac{31}{28} = 1\frac{3}{28}$