

Chapter 4 section 8  
Equation with Fractions

Solve the equations

1)  $x - \frac{2}{3} = \frac{2}{5}$

2)  $x + \frac{3}{4} = -\frac{1}{2}$

3)  $-\frac{2}{7}x = \frac{5}{21}$

4)  $x - \frac{2}{7} = -\frac{1}{4}$

5)  $\frac{7}{9}x = -\frac{1}{2}$

6)  $\frac{3}{4}x + \frac{2}{3} = \frac{1}{2}$

7)  $\frac{3}{2} - \frac{2}{5}x = \frac{x}{3} - \frac{1}{5}$

8)  $\frac{1}{2}x - \frac{8}{3} = -\frac{2}{5}$

9) At a local hockey game, announcers informed the crowd that attendance for the game was 4,536. If this is  $\frac{2}{11}$  of the capacity, find the full seating capacity for the hockey stadium.

10) The area of a triangle is 51 square inches. If the length of the base is  $8\frac{1}{2}$  inches, find the height (altitude) of the triangle.