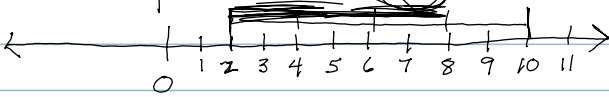


# Lesson 98

Ex:

Find a number that is  $\frac{3}{4}$  of the way from (2) to 10.

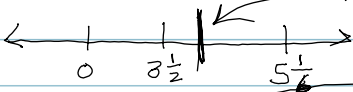


$$\frac{3}{4}(10-2)$$

$$\frac{3}{4} \cdot 8$$

$$6 + 2 = 8$$

Practice Problem: Find a number that is  $\frac{1}{8}$  of the way from  $3\frac{1}{2}$  to  $5\frac{1}{6}$ .



$$3\frac{1}{2} + \frac{1}{8} \left( 5\frac{1}{6} - 3\frac{1}{2} \right)$$

$$3\frac{1}{2} + \frac{1}{8} \left( \frac{31}{6} - \frac{7}{2} \right)$$

$$3\frac{1}{2} + \frac{1}{8} \left( \frac{31}{6} - \frac{21}{6} \right)$$

$$3\frac{1}{2} + \frac{1}{8} \left( \frac{10}{6} \right)$$

$$\frac{12}{12} \cdot \frac{7}{2} + \frac{5}{24}$$

$$\frac{84}{24} + \frac{5}{24} = \frac{89}{24} = 3\frac{17}{24}$$