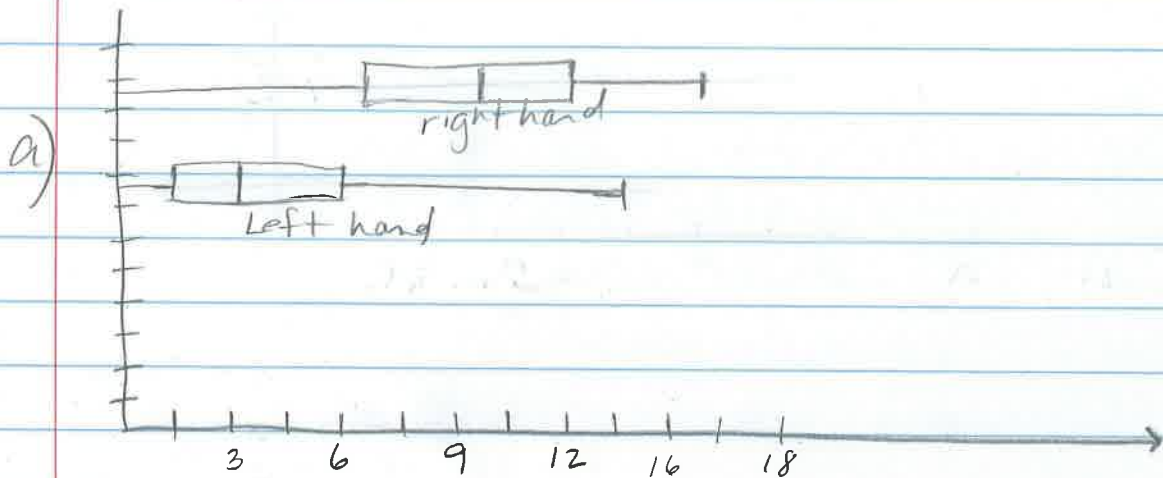


8.1.2

Hulk

8-23)

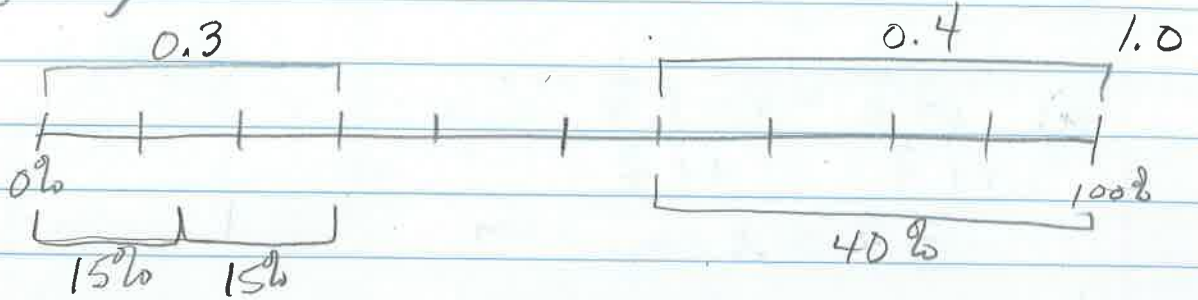


b) With his left hand, Lue's median shot is 5 or 6 inches closer to the bull's eye; with his right hand, the distribution is symmetric and single peaked; with his left hand, the distribution is skewed with a peak at the bull's eye; Lue has more tosses closer to the bull's-eye with his left hand; IQR for left hand is about 4.5; neither hand threw any outliers, but for some of you you may feel 14 is an outlier for the left hand.

c) Lue throws more consistently with his left hand because the IQR is smaller in the box plots.

d) About 1 IQR.

8-24)



8-25) #45 2% interest/month
6 months?

$$(\$45)(0.02) = 0.9 \times 6 = 5.40 + 45 =$$

\$50.40
back

8-26) $\frac{4 \text{ min } 50 \text{ sec}}{500 \text{ m}} = \frac{10 \text{ min}}{x}$

$$\frac{0.58 \text{ sec}}{1 \text{ meter}} = \frac{290 \text{ sec}}{500 \text{ m}} = \frac{600 \text{ min}}{x}$$

$\times 1,034.48$

She will swim
1,034.48 meters
in 10 minutes

8-27) Mark = $C + 7$
Eric = $C - 11$ Sum is 149

$$C + (C + 7) + (C - 11) = 149$$

$$C + C + 7 + C - 11 = 149$$

$$3C - 4 = 149$$

$$\frac{3C}{3} = \frac{153}{3}$$

$$C = \underline{51 \text{ yrs. old}}$$

Mrs Chen is 51 yrs. old.

8-28)

$$2\frac{1}{2} + 1\frac{1}{4} = 2\frac{2}{4} + 1\frac{1}{4} = 3\frac{3}{4}$$

$$\begin{array}{r} a) \quad 2\frac{1}{2} = x - 1\frac{1}{4} \\ + 1\frac{1}{4} \quad + 1\frac{1}{4} \\ \hline 3\frac{3}{4} = x \end{array}$$

$$\begin{array}{r} b) \quad 5x = 2x + 12 \\ - 2x \quad - 2x \\ \hline 3x = 12 \\ \underline{\quad 3} \quad \underline{\quad 3} \\ x = 4 \end{array}$$

$$\begin{array}{r} c) \quad x - 14.6 = 8.02 \\ + 14.6 \quad + 14.6 \\ \hline x = 22.62 \end{array} \qquad \begin{array}{r} 8.02 \\ + 14.6 \\ \hline 22.62 \end{array}$$