Write a few (couple?) sentences to describe how to use the table to find a random sample.

10 y. $r = -2$

$\hat{y} = 50.3 + 6.01(10)$

$\hat{y} = 60.1$

$\hat{y} = 110.4$ predicted

108   (D)

④ 4th g. $\bar{y} = 55.1$ $S_y = 12.3$

3rd: $\bar{x} = 61.7$ $S_x = 14.0$

$r = 0.95$

$\hat{y} = b_0 + b_1 x$

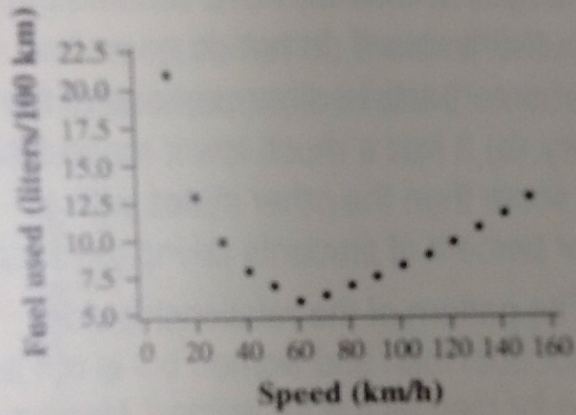$b_0 = \bar{y} - b_1 \bar{x}$

$b_1 = r \cdot \dfrac{S_y}{S_x}$ $\longrightarrow$ $b_1 = 0.95\left(\dfrac{12.3}{14.0}\right)$
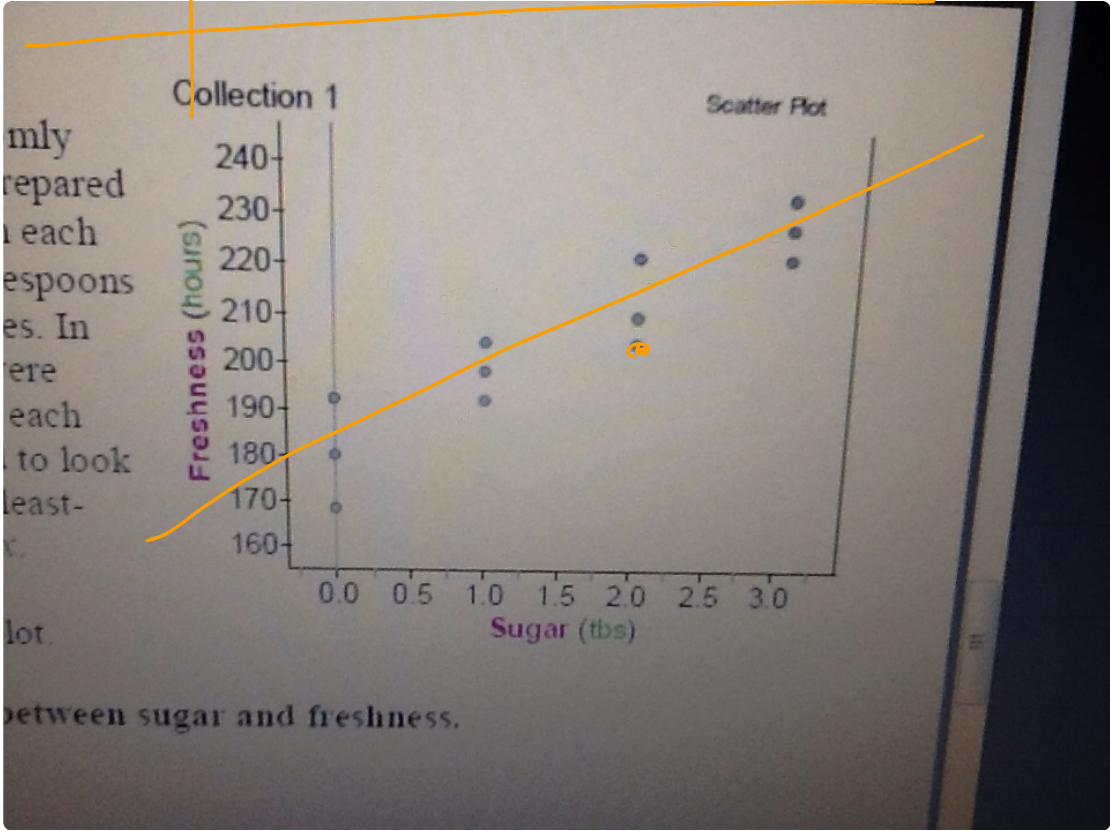
$b_1 = 0.8346$

$b_0 = 55.1 - 0.8346(61.7)$

$b_0 = 3.58$

9. (a) A scatterplot is shown below.

The relationship is curved. High

p.159

residual = 1.3 { s = 1.01

Collection 1

Scatter Plot

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$$\hat{y} = 228.2 \text{ hrs.}$$