



5.1

$$\textcircled{19} \text{ LEFT: } .001 (0 + 40 + 62 + 82 + 96 + 108 + 116 + 125 + 132 + 137) \\ .898$$

$$\text{RIGHT: } .001 (40 + 62 + 82 + 96 + 108 + 116 + 125 + 132 + 137 + 142) \\ 1.040$$

$$\frac{.898 + 1.04}{2} = .969 \text{ mi}$$

$$\textcircled{29} \text{ RIGHT: } 30 (.2 + .25 + .27 + .34 + .45 + .52) \overset{60.9 \text{ tons}}{.68} \\ + \text{~~37 + 45 + 52 + 60 + 68~~}$$

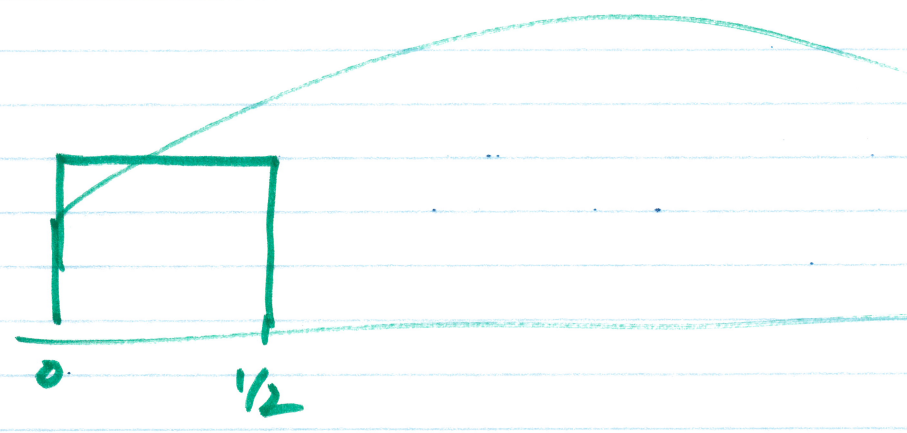
$$\text{LEFT: } 30 (.05 + .25 + .27 + .34 + .45) = 46.8 \text{ tons}$$

5.1
 (6) $y = 2x - x^2$ on $[0, 2]$ with $n=4$ $\frac{2-0}{4} = \frac{1}{2}$

$0 - \frac{1}{2}$ $\frac{1}{2} - 1$ $1 - \frac{3}{2}$ $\frac{3}{2} - 2$

$\frac{1}{4}$	$\frac{3}{4}$	$\frac{5}{4}$	$\frac{7}{4}$
$\frac{7}{16}$	$\frac{15}{16}$	$\frac{15}{16}$	$\frac{7}{16}$

$\frac{1}{2} \left[\frac{7}{16} + \frac{15}{16} + \frac{15}{16} + \frac{7}{16} \right] =$



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