

## Homework

45.

$$99 - 69.99 = \underline{\$29.01}$$

46.

$$29.99 - 19.98 = \underline{\$10.01}$$

47.

$$\begin{array}{r} 69 - 100 \\ 20.7 - 30 \end{array}$$

$$69 - 20.7 = \underline{\$48.3}$$

$$69 - 48.3 = \underline{\$20.7 \text{ MD}}$$

48.

$$\begin{array}{r} 24 - 100 \\ 4.8 - 20 \end{array}$$

$$24 - 4.8 = \underline{\$19.2}$$

$$24 - 19.2 = \underline{\$4.8 \text{ MD}}$$

65.

$$35 - 24.99 = 10.01$$

$$10.01 * 40 = 400.4$$

$$40 - 24.99 = 15.01$$

$$15.01 * 50 = 750.5$$

$$\text{a) } \underline{\$1,150.9}$$

$$\text{b) } \underline{\$2,249.1}$$

$$\text{c) } \underline{33.8\%}$$

$$750.5 + 400.4 = 1,150.9$$

$$40 * 24.99 = 999.6$$

$$50 * 24.99 = 1,249.5$$

$$1,249.5 + 999.6 = 2,249.1$$

$$1,150.9 / 3,400 = 0.338 \rightarrow 33.8\%$$

$$40 * 35 = 1,400$$

$$50 * 40 = 2,000$$

$$2,000 + 1,400 = 3,400$$

66.

$$99 - 69.99 = 29.01$$

$$89 - 69.99 = 19.01$$

$$a) \underline{\$11,254.5}$$

$$b) \underline{\$31,495.5}$$

$$270 * 29.01 = 7,832.7$$

$$180 * 19.01 = 3,421.8$$

$$c) \underline{35.7\%}$$

$$7,832.7 + 3,421.8 = 11,254.5$$

$$69.99 * 270 = 18,897.3$$

$$69.99 * 180 = 12,598.2$$

$$18,897.3 + 12,598.2 = \$31,495.5$$

$$11,254.5 / 31,495.5 = 0.357 \rightarrow 35.7\%$$

67.

$$49 - 100$$

$$12.25 - 25$$

$$39 - 100$$

$$9.75 - 25$$

$$49 - 12.25 = 36.75$$

$$39 - 9.75 = 29.25$$

$$36.75 \times 100 = 3675$$

$$29.25 \times 200 = 5850$$

$$3675 + 5850 = 9525$$

$$12.25 \times 100 = 1225$$

$$9.75 \times 200 = 1950$$

$$1225 + 1950 = 3175$$

$$3175 / 9525 = 0.333 \rightarrow 33.3\%$$

$$a) \underline{\$3,175}$$

$$b) \underline{\$9,525}$$

$$c) \underline{33.3\%}$$