

Module 2 Review Solutions

1. a.) $125.86 + 350 - 235 - 24.56 - 31.67 - 65.80 = \118.83

b.) No

c.) $149.99 (1.0925) = 163.86 \rightarrow 118.83 - 163.86 = -\45.03

If she purchases the MP3 player, her account will be overdrawn by \$45.03.

2. a.) $\frac{3}{24} = \left(\frac{1}{8}\right)$ b.) $1 - \frac{1}{8} = \left(\frac{7}{8}\right)$

3. $\frac{5}{40} = \frac{13}{X}$ where $X = \text{total \# of minutes}$ $\rightarrow 5X = 520$
 $X = \frac{520}{5} = \boxed{104 \text{ minutes}}$

4. $\frac{141}{940} = .15 = 15\%$

5. Let $X = \text{total number of stains}$ $\frac{19}{X} = .95 \rightarrow 19 = .95X \rightarrow \frac{19}{.95} = X$

6. $\frac{14}{35} = .4 = 40\%$

7. $.582 = \frac{582}{1000} = \frac{291 \cdot 2}{500 \cdot 2} = \boxed{\frac{291}{500}}$

8. $(12.3)(6.7) = 82.41 \approx \boxed{82.4 \text{ m}^2}$

9. Arrange from low to high

2.18, 2.73, 2.74, 3.1, 3.63, 4.61, 4.79, 5.35, 5.56, 6.01, 7.62, 7.9

a.) $\frac{\text{sum}}{12} = \frac{56.22}{12} = 4.685$ c.) No Mode

b.) $\frac{4.61 + 4.79}{2} = 4.7$

d.) $7.9 - 2.18 = 5.72$

10. Let $X = \text{height of stop sign}$

$\frac{40}{9} = \frac{X}{1.8} \rightarrow 9X = 72$

$X = \boxed{8 \text{ ft.}}$