Ch. 6 Review p. 259 (1-31 odd)

① % → decimal

$(76\%) \div 100 = .76$

③ % → decimal

$334\% \div 100 = 3.34$

⑤ decimal → %

$(1.24)(100) = 124\%$

⑦ which is greater?

$\frac{1}{2}$ or 52%

$\frac{1}{2} \rightarrow 50\%$

bigger

⑨ greater?

0.46 OR 43%

bigger

$0.46 \rightarrow 46\%$

⑪ least → greatest

$\frac{41}{50} \cdot \frac{2}{2} = \frac{82}{100} = 82\%$

$.83 = 83\%$ 80%

* 80%, $\frac{41}{50}$, .83

⑬ $0.67 = 67\%$

$\frac{2}{3} = 66.\overline{6}\%$ or $66\frac{2}{3}\%$

66%, $\frac{2}{3}$, .67

⑮ What % of 60 is 18?

$\frac{x(60)}{60} = \frac{18}{60}$

$x = .30(100)$

$x = 30\%$

⑰ What # is 70% of 72?

multiply

$x = .7(70)$

$x = 49$

⑲ What # is 24% of 25

$x = .24(25)$

$x = 6$

→

Ch. 6 Review pg. 259 (1-31 odd)

(21) 60.8 is what % of 32

what % = x

$\frac{60.8}{32} = \frac{x(32)}{32}$

$x = 1.90(100)$

$x = 190\%$

(23) 85% of what # is 10.2

85% = .85, what # = x, is = =

$\frac{.85x}{.85} = \frac{10.2}{.85}$

$x = 12$

(25) 15% spaces for differently abled people ← 18 all together

Total Spaces?

18 is 15% of what #?

$\frac{18}{.15} = \frac{.15x}{.15}$ $x = 120$ total spaces

(27) % of change

1st # → 6 to 36

$\frac{36-6}{6}(100)$

$\frac{30}{6}(100) \rightarrow 5(100)$

500% change

(29) % Error

Guess: 68 Actual #: 60

$\frac{68-60}{60}$ ← real #

$\frac{8}{60}(100) \rightarrow .1\overline{3}(100)$

$13\overline{3} \rightarrow 13.\overline{3}\%$ OR $13\frac{1}{3}\%$

(31) (New #) = (Final %)(Old #)

20% ↓, New # = $75

① 100% − 20% = 80%

$\frac{75}{.8} = \frac{.8x}{.8}$

Original # = $93.75

Forgot to assign 33, 35, 37

(33) $I = PRT$ 3.5% ÷ 100

$I = 2000(.035)(4)$

$I = \$280$

New Balance $2000 + 280 = \$2280$

(35) $I = \$426$ $P = \$1200$ $t = 5y$ $R = ?$ $I = PRT$

$426 = 1200(R)(5) \rightarrow \frac{426}{6000} = \frac{6000(R)}{6000}$

$R = .071(100)$ $R = 7.1\%$

(37) $I = \$237.90$ $P = \$1525$ $r = 2.6\% = .026$ $T = ?$

$237.9 = 1525(.026)T$

$\frac{237.9}{39.65} = \frac{39.65T}{39.65}$ $T = 6$ years