

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

① %  $\rightarrow$  decimal

$$(76\%) \div 100 = 0.76$$

③ %  $\rightarrow$  decimal

$$334\% \div 100 = 3.34$$

⑤ decimal  $\rightarrow$  %

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

⑦ which is greater?

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

$\downarrow$   
50% bigger

⑧ greater?

bigger  
 $0.46$  OR  $43\%$   
 $\downarrow$   
 $46\%$

⑪ least  $\rightarrow$  greatest

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

$$83 = 83\% \quad 80\%$$

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

⑬  $0.67 = 67\%$

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

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

⑮ What % of 60 is 18?

$$\begin{array}{r} X(60) = 18 \\ \hline 60 \quad 60 \\ X = 30(100) \\ X = 30\% \end{array}$$

⑰ What # is 70% of 70?

multiply  $\downarrow$   
 $X = .7(70)$

$$X = 49$$

⑲ What # is 24% of 25

$$X = .24(25)$$

$$X = 6$$



21) 60.8 is what % of 32

$$60.8 = X(32)$$

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

$$X = 1.90(100)$$

**X = 190%**

23) 85% of what # is 10.2

$$.85 X = 10.2$$

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

**X = 12**

25) 15% spaces for differently abled people ← 18 all together  
Total Spaces?

18 is 15% of what #?

$$18 = \frac{.15X}{.15} \quad X = 120 \text{ total spaces}$$

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 #

$$\frac{8}{60}(100) \rightarrow .133(100)$$

**13.3% OR 13 1/3%**

31)  $(\text{New \#}) = (\text{Final \%})(\text{old \#})$

20% ↓, New # = \$75

① 100% - 20% = 80%

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

**Original = \$93.75**

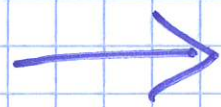
Forgot to assign 33, 35, 37

33) I = PRT → 03.5% = 100

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

**I = \$280**

**New Balance**  
2000 + 280 = **\$2280**





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

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

$$R = 0.071 (100) \quad R = 7.1\%$$

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

$$237.9 = 1525(.026)T$$

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

$$T = 6 \text{ years}$$