

1.

$$.80(162) = 129.60 \div 2$$

$$\boxed{\$64.80}$$

2.

$$\frac{300}{75} = 4 \rightsquigarrow = \boxed{400\%}$$

F D \rightarrow P

3.

$$\frac{3}{20} + \frac{1}{4} \rightarrow \frac{2}{5} = \frac{4}{5} = 80\%$$

$$\boxed{20\%}$$

$$4) \frac{176.50x}{176.50} = \frac{15.90}{176.50}$$

$$x = 0.09 = \boxed{9\%}$$

$$x = 0.09 = \boxed{9\%}$$

$$\frac{15.90}{176.50} \times \frac{x}{100}$$

$$176.50x = 1590$$

$$x = \boxed{9\%}$$

5.

$$9/8 = 62.5\%$$

$$55\% \quad \boxed{\text{b. } 60\%}$$

6. ~~Actual~~
 $15 - 9 \frac{19}{60} = 5 \frac{41}{60}$
 $\frac{5 \frac{41}{60}}{15} = \boxed{37.8\%}$

Approx
 40
 $15 - 9 = 6$
 $\frac{6}{15} = \boxed{40\%}$

7.

$$36.42 = 1260$$

$$.15(1260) = \boxed{\$189}$$

8.

$$1.06(35.05) = \boxed{\$37.15}$$

9.

$$12 = .15(n) \quad \frac{12}{n} = \frac{15}{100}$$

$$\boxed{80}$$

10

$$\textcircled{1} .80(20.95) = 16.76$$

$$.75(25.20) = 18.90$$

$$\boxed{\$2.14}$$

$$\frac{6}{16} = \boxed{37.5\% \text{ dec}}$$

12

$$\frac{1400}{4400} = \boxed{32\% \text{ dec.}}$$
$$31.\overline{81}\%$$

13

$$\frac{7}{21} = \boxed{33.\overline{3}\% \text{ inc}}$$

14

$$.75(42) = \$31.50$$
$$\times 1.0625$$

$$\boxed{\$33.47}$$

15

$$.64(52) = \boxed{\$33.28}$$

16

$$\frac{\text{markup}}{\text{original}} = \frac{15}{10} = 1.5 \text{ or } \boxed{150\%}$$

17

$$.18(630) = \boxed{\$113.40}$$

18

$$1.50 \left(\frac{6}{11} \right) = \boxed{\frac{9}{11}}$$

19

$$\frac{35 \rightarrow 80}{35} = \frac{45}{35} = \boxed{129\%}$$

$$128.57\% \dots$$

20

$$40\% \text{ of } 60 = \boxed{24}$$

$$10\% = 6$$
$$\cdot 4 \quad \cdot 4$$
$$40\% = 24$$