36.) $\dfrac{342}{1072} \approx \dfrac{340}{1000} = \dfrac{34}{100} = \boxed{34\%}$

20.) 26.5% of 123
25% of 125
$\dfrac{1}{4}$

$\dfrac{125}{4} = \boxed{31\%}$

38.) $\dfrac{3798981}{35,007,986} = \dfrac{3,000,000}{30,000,000} = \dfrac{3}{30} = \dfrac{1}{10} = 0.1 = \boxed{10\%}$

$\dfrac{4,000,000}{36,000,000} = \dfrac{1}{9} \boxed{11.\overline{1}\%}$

$$\frac{IS}{of} = \frac{\%}{100}$$

36.) $\dfrac{n}{200} = \dfrac{65}{100}$

46.)

75% of $84 = \boxed{63}$

$\frac{3}{4}$ $\frac{84}{4} = 21$ then $\times 3$

$$\begin{array}{r} 21 \\ \times 3 \\ \hline 63 \end{array}$$

44.)   19.60   15%.

         1.96   D. $3.00

    + 0.98

    $ 2.94

$$2\overline{)1.96} \quad .98$$

5-6   Algebra: The percent Equation

$$\frac{is}{of} = \frac{\%}{100} \qquad \frac{Part}{Base} = \frac{Part}{Whole} = \boxed{} \%$$

Equations
IS =
of X

Part $n = 0.25(60)$
$n = 15$

Percent $\dfrac{15}{60} = \dfrac{n(60)}{60}$ $\dfrac{D}{°60}\bigg|\dfrac{u}{\div 60}$

$0.25 = n$
25%

Base $\dfrac{15}{0.25} = \dfrac{0.25\, n}{0.25}$ $\dfrac{D}{°0.25}\bigg|\dfrac{u}{\div 0.25}$

$60 = n$

1. Find 6%

$$0.06 \text{ of } 525$$

$$\frac{n}{525} = \frac{6}{100}$$

$$n = 31.5$$

2.

$$420 = \underline{n}\,(600)$$

$$70\% = n$$

$$\frac{D}{\cdot 600} \Big| \frac{u}{\div 600}$$

$$\underline{\text{Equations}}$$

$$\text{is} =$$

$$\text{of} \quad \times$$

$$\boxed{62 = p(186)}$$

$$\frac{62}{186} = \frac{}{100}$$

$$\frac{62}{186}$$

$$62 = n \cdot 186$$

$$n = 33.3\%$$

$$33\frac{1}{3}\%$$

$$\frac{D}{\cdot 186} \Big| \frac{u}{\div 186}$$

$2 \times 100 = 200$

$2.00, \boxed{200\%}$

$\dfrac{180}{90} = \dfrac{P}{100}$

What percent?

$\dfrac{90}{90} = \dfrac{180}{90} = \boxed{2 \times 100 = 200\%}$

200% $\dfrac{D}{.9\% \div 90}$

P. 233
do # c, d, e, f

P. 628
#2 − 20 even

Write as a decimal

C.) $\dfrac{210}{0.75} = \dfrac{0.75\, n}{0.75}$

$\boxed{280 = n}$

$\dfrac{D}{\bullet 0.75} \Big| \dfrac{u}{\div 0.75}$