

NOV 10 Pg 180-181 ; 4, 29-43 (a)

4) unit analysis 37) 2 km

29) miles

38) ≈ 0.35 mi/min

30) feet

39) 21 mi/hr

31) A

40) 0.5 mi/min

32) 5 dozens

41) 12 min

33) 24 months

42) 3,004 pesos

34) 24 weeks

35) 21.2 hrs.

43) \$91.00
(about)

36) 300 ft.

3.9 Percents

Dec. 15, 2006

Percent: is a ratio that
compares some number to 100

$$\text{ie: } 55\% = .55 = \frac{55}{100}$$

ex1) ~~What~~ is 30% of 70 feet
The Books Way: $30\% = .3$

$$a = (.3)(70) = 21 \text{ feet}$$

Part to Whole

$$\frac{\text{Part}}{\text{Whole}} = \frac{P}{W} \frac{\%}{100} = \frac{\text{Part stuff}}{\text{Whole stuff}}$$

"of" = diagonal / is = straight up
across order

$$\frac{P}{W} \frac{30}{100} = \frac{X}{70}$$

$$30 \cdot 70 = 100 \cdot x$$

$$\underline{\underline{21 \text{ ft}}}$$

Cross Multiply
+
Divide

$$30 \cdot 70 = 100 \cdot x$$

$$\begin{array}{r} 30 \cdot 70 \\ \text{Ans} \div 100 \end{array} \begin{array}{r} 2100 \\ 21 \end{array}$$

$$\underline{\underline{X = 21 \text{ feet}}}$$

ex2) Fourteen Dollars is 25%
of How much Money? x

$$\frac{P}{w} = \frac{25}{100} = \frac{14}{x}$$

14*100	
Ans/25	1400
	56

$$25 \cdot x = 100 \cdot 14$$

$$x = \underline{\underline{56 \text{ Dollars}}}$$

ex3) One Hundred Thirty-five
is what percent of 27?

$$\frac{P}{W} = \frac{X}{100} = \frac{135}{27}$$

$$X \cdot 27 = 100 \cdot 135$$

$$X = 500\%$$

You are shopping for a portable CD Player. You find one at the regular price of \$90.00. The store is selling the CD Player at a sale price of \$72.00. What is the discount percent?

$$90 - 72 = 18$$

$$\frac{P}{W} = \frac{18}{90}$$

$$X \cdot 90 = 100 \cdot 18$$

$$X = 20\%$$

~~111~~ ~~111~~ ~~111~~

 A: 80%

 1 B: 15%

 1 C: 20%

 11 D: 120%

O.T.L.

① Pg 186-187;

17-33(o)

Hint:

Find the whole
table: 36-39(a)

180 + 72

+ 39 + 12 = _____

~~Test Tuesday~~ ⇒ Mastery is Wednesday