

Pg 571

15.6 Mark-up Rate based on Cost

~~$m\% = \frac{m}{SP}$~~

$$m\% = \frac{m}{\text{Cost}}$$

$$m = SP - C$$

Ex#1: $C = 880$
 $SP = 1188$

$$m = SP - C$$

$$1188 - 880$$

$$m = \$308.00$$

$$m\% = \frac{308}{880} \times 100 = 35\%$$

1. $SP = 97.50$
 $C = 58.50$

$$m = SP - C$$

$$97.50 - 58.50$$

$$m = 39.00$$

$$m\% = \frac{39}{58.50} \times 100 = 66.7\%$$

Ex#2: $SP = 19.99$
 $m\% = 120\%$

a) $m = SP - C$
 $120C = 19.99 - C$
 $+C \quad +C$
 $121C = 19.99$
 $121 \quad 121$
 $C = \$9.09$

b) $m = SP - C$
 $19.99 - 9.09$
 $m = 10.90$

3) $m\% = 85\%$
 $SP = 3.40$

a) $m = SP - C$
 $85C = 3.40 - C$
 $+C \quad +C$
 $86C = 3.40$
 $86 \quad 86$
 $C = \$1.84$

b) $m = SP - C$
 $3.40 - 1.84$
 $m = \$1.56$

4)

	SP	C	mu	m% based on Cost
Flower Pot	1.75	1.25	a) $m = SP - C$ $1.75 - 1.25$ $m = 0.50$	b) $m\% = \frac{m}{C}$ $\frac{.50}{1.25} \times 100$ 40%

15.6 Mark-up Rate based on Cost

15.2 ~~$m\% = \frac{M}{SP}$~~

$$m\% = \frac{M}{\text{Cost}}$$

$$M = SP - C$$

Ex#1: $C = 880$
 $SP = 1188$

$M = SP - C$
 $1188 - 880$
 $M = \$308.00$
 $m\% = \frac{308}{880} \times 100 = 35\%$

1. $SP = 97.50$
 $C = 58.50$

$M = SP - C$
 $97.50 - 58.50$
 $M = 39.00$
 $m\% = \frac{39}{58.50} \times 100 = 66.7\%$

Ex#2: $SP = 19.99$
 $m\% = 120\%$

$M = SP - C$
a) $120C = 19.99 - C$
 $+C$
 $\frac{120C + C}{2.2} = \frac{19.99}{2.2}$
 $C = \$9.09$
b) $M = SP - C$
 $19.99 - 9.09$
 $M = 10.90$

3) $m\% = 85\%$
 $SP = 3.40$

a) $M = SP - C$
 $.85C = 3.40 - C$
 $+C$
 $\frac{1.85C}{1.85} = \frac{3.40}{1.85}$
 $C = \$1.84$
b) $M = SP - C$
 $3.40 - 1.84$
 $M = \$1.56$

4)

	SP	C	MU	m% based on Cost
Flower Pot	1.75	1.25	a) $M = SP - C$ $1.75 - 1.25$ $M = 0.50$	b) $m\% = \frac{M}{C}$ $\frac{.50}{1.25} \times 100$ 40%