Warm Up

- Solve for x.   Simplify

  $14x - 8 = 20$ $9x + 4.6x$

  $(3.5 + 2.5)\, x = 18$ $(2.1 + 3.9)x + 4x$

  $(1/26)x = 78$ $m + 14m + 2(3m)$

§1-3

Commissions

Define

- Commission
- Graduated Commission
- Piece Rate
- Item Rate
- Base Salary
- Push Money

Formulas

- Commission   C=prn

  p = price of 1 item

  r = commission rate

  n = # of items sold

Formulas

- Earnings w/ Commission

- E = s + rm

$$s = \text{monthly salary}$$
$$r = \text{commission rate}$$
$$m = \text{total monthly sales}$$

Formulas

- Piece rate $E=rn$

$r = $ item (piece) rate

$n = $ # of items sold

Example

- Matt is a salesman and recieves 5% commision for each mattress he sells. Mattress sell for $275 each. Matt would like to know how many he has to sell to earn $200 a week.

Example

- Jillian earns a monthly salary of $1000 selling cars plus she gets a 1% commission on each car she sells. In her 1st month on the job she sold cars totaling $127,000. How much did she earn?

Last Example

- Nick decorates cakes for a living. He is paid $24 for each cake he decorates. The week of December 20th he decorated 15 cakes. How much did he earn.

Assignment

- Pg.31-32
- TYS 1-9

- pg. 33-34
- EYS 5-16 Show all work