## CASAS CA

$$N = 2035 - 1990 = 45$$
  
 $N = 45$ 

## Topics to Review

Example 260 (3 + 1.05)"

year 2021?

N- # of years after the year 1990

· Solve for N: 2021 - 1990 = 31

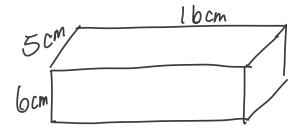
$$260(4.05)^{31} = 1.762 \times 10^{21}$$

$$= 1.76...$$

$$= 1.762e21$$



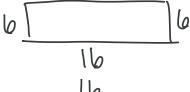
## Surface Area of all surfaces a rectangular prism?



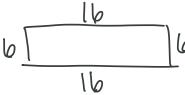
- · Filled in missing lengths
- # of sides = 6 (front, back, top, bottom, side #1, side #2

16

Front



Back



Top 16

Area = L·W = 16·6 = 96

\* Area of a square or rectangle

2 x 2 = 4 cm length times width CA base times height A = L x W , B x H=A A = LW , BH = A

> Front + Back 96+96) 08 2.96

Top+ bottom

Side # 1 d #2 
$$60 = 30 \times 2$$

$$SA = 192 + 160 + 60 = 412$$

SA: Sum of area of <u>each</u> side

- Calculate area of each surface and add it up!

- (#16) Temperature T at 9:00 mm
  increased by 10° F at 12:00 pm (noon).
  At 6:00 pm, the temp. was harf the
  temp. at noon. Which expression gives
  the temp. at 6:00 pm?
  - \* Creating an expression from a word problem

$$9 \text{ Am} = T$$
 $12 \text{ pm} = T + 10$ 
 $4 \text{ lepm} = \frac{T + 10}{2} = \frac{1}{2} (T + 10) = (T + 10) \frac{1}{2} = (\frac{T + 10}{2})$ 
 $= (T + 10) / 2 = (T + 10) \div 2$