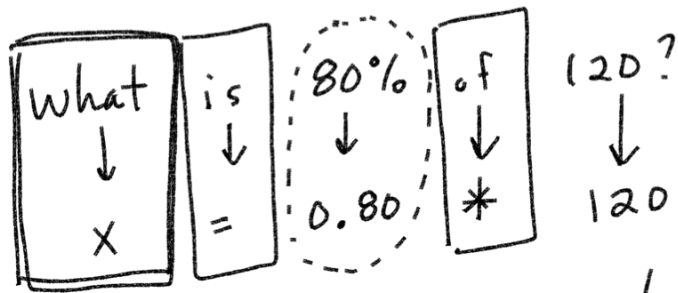
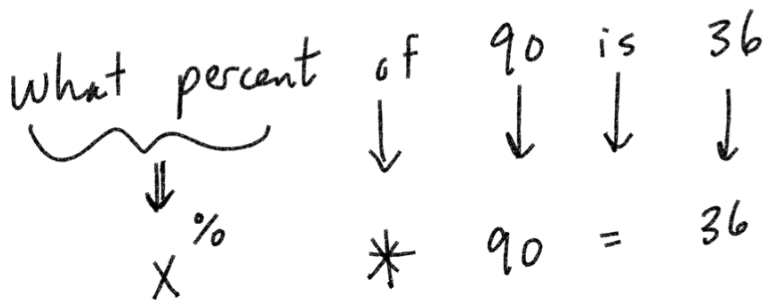


T-A1 Algebra I Week 22



80% → 0.80
convert

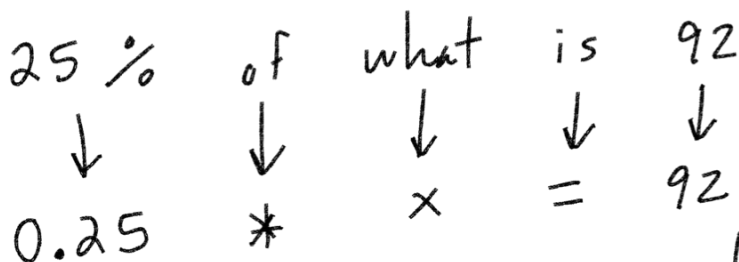
$$X = 0.8 * 120 = \boxed{96}$$



X → %
decimal → percent
0.4 * 100% = 40%

$$\frac{90X}{90} = \frac{36}{90} \quad X = \frac{36}{90} = 0.4$$

$\boxed{40\%}$



$$\frac{0.25x}{0.25} = \frac{92}{0.25} = \boxed{368}$$

Gas
1985: \$1.12
2020: \$2.60

Milk
1.58
3.54

Video Games
35.00
60.00

Price Increase

$$\frac{\text{new} - \text{old}}{\text{old}} * 100\%$$

Gas

$$\frac{2.60 - 1.12}{1.12} = \frac{1.48}{1.12} * 100\% = 1.6 * 100\% = \boxed{160\%}$$

increase

Milk

$$\frac{3.54 - 1.58}{1.58} = \frac{1.96}{1.58} * 100\% = \boxed{124\%}$$

Video Games

$$\frac{60 - 35}{35} = \frac{25}{35} * 100\% = \boxed{71.4\%}$$

Probability

$$\left[\frac{\# \text{ desired events}}{\text{total \# of events}} \right]$$

$$P(\text{Snickers}) = \frac{12}{60}$$

$$\frac{12 \div 6}{60 \div 6} = \frac{2 \div 2}{10 \div 2} = \boxed{\frac{1}{5}}$$

$$P(\text{Reese's}) = \frac{18 \div 6}{60 \div 6} = \boxed{\frac{3}{10}}$$

$$P(\text{kit kat or twix}) = \frac{14 \oplus 6}{60} = \frac{20 \div 10}{60 \div 10} = \frac{2 \div 2}{6 \div 2} = \boxed{\frac{1}{3}}$$

$$P(\text{not Almond Joy}) = \frac{60 - 10}{60} = \frac{50 \div 10}{60 \div 10} = \boxed{\frac{5}{6}}$$

<u>Candy</u>	<u>Amount</u>
Snickers	12
Almond Joy	10
Kit Kat	14
Twix	6
Reese's	18
Total	<u>60</u>



P(Snickers and then Reese's)
 with replacing

$$\frac{12}{60} = \frac{1}{5}$$

$$\frac{18}{60} = \frac{3}{10}$$

$$\frac{1}{5} * \frac{3}{10} = \boxed{\frac{3}{50}}$$

<u>Candy</u>	<u>Amount</u>
Snickers	12
Almond Joy	10
Kit Kat	14
Twix	6
Reese's	18
Total	<u>60</u>



P(Almond Joy and then KK
without replacing)

$$\frac{10 \div 10}{60 \div 10} = \frac{1}{6}$$

$$\frac{1}{6} * \frac{14}{59}$$

$$\frac{1}{3} * \frac{7}{59} = \boxed{\frac{7}{177}}$$

Candy	Amount
Snickers	12
Almond Joy	10
Kit Kat	14
Twix	6
Reese's	18
Total	<u>60</u>

P(Almond Joy and the almond
without replacing)

$$\frac{10}{60} = \frac{1}{6}$$

$$\frac{1}{6} * \frac{9}{59} = \boxed{\frac{3}{118}}$$

$$\frac{9}{59}$$

Reduce

HW

ch 4-5 evens
4-6 evens

Supplemental WS

Online HW 22 3 March 16th

HW/quiz 20 tonight!

HW/quiz 21 March 9th

