

Happy Monday!

1. Papers are being passed out, just set them in a pile and I will talk about them

2. Get out your homework

3. Get the notes from the front table and tape them in  $20 \times .3 = 6$

4. Problem of the Day

How could you find 30% of 20? Find at least two ways.

$$\frac{20}{100} = \frac{100}{30} \cdot 3$$

$$\frac{6}{20} = \frac{30}{100}$$

$$20 \times 30 = 600 \\ 600 \div 100 = 6$$

$$\frac{6}{20} = \frac{3}{10}$$

1) 56 rides

2) 69 children

3) 24 rides

4) 248 visitors

5) 26 people dissatisfied

6) 4 ice cream shops

7) 112 full time

8) 20 managers

$$\frac{42}{100} = \frac{325}{1000}$$

$$\frac{72}{100} = \frac{288}{400}$$
$$400 - 288 = 112$$

## Gratuity

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A tip, or bonus, given for services that have been provided.

## Practice (tip)

I bought a hamburger and fries basket from the Grille yesterday. My total was \$7.98. My server did a good job and I decided to give her a 20% tip. ~~What is the total cost of my meal, ignoring sales tax?~~ **What would be my tip?**

$$7.98 \times 2 = 1.60$$

$$\cdot \frac{x}{7.98} = \frac{20}{100} \quad 1.596 \rightarrow 1.60$$

$$\frac{x}{19.98} = \frac{15}{100}$$

I went to Applebee's 2 weeks ago with my friend. We each ordered a sandwich that cost \$9.99. We decided our service was not very good and we will only tip 15%. What was the total of both of our meals together with <sup>tip</sup> tax. Ignore sales tax.

$$\begin{aligned} \frac{x}{9.99} &= \frac{15}{100} & 9.99 \times 15 &= \\ & & 150.85 &\div 100 \\ & & 22.98 & \\ & & 1.50 \times 2 &= \\ & & 3 & \end{aligned}$$

$$\begin{aligned} 7.98 \div 100 &= .0798 \times 20 = 1.60 \\ 7.98 \div 10 &= .798 \times 2 = 1.60 \end{aligned}$$

$$\begin{aligned} 19.98 \times 15 &= 299.7 \div 100 \\ & 2.99 \\ & 3.00 \end{aligned}$$