

Percent Calculations

Problem:

The original price of a pair of Wrangler Blue Jeans is \$160, and you will get a 20% discount.

How much is the discount?



Percent Calculations

Question: What is 20% of 160?

Translate into an equation:

is = "="

of = "*"

What = "x"

5% = "5/100", etc

$$x = (20/100) * 160.$$

Solution:

$$x = (.2) * 160,$$

$$x = 32$$



Percent Calculations

Problem:

How much will you pay for the blue jeans after you receive the 20% discount?



Percent Calculations

Question: What is the difference between \$160 and \$32?

Translate into an equation:

is = “=”

difference = “-”

What = “x”

What is $160 - 32$?

$$x = 160 - 32$$

$$x = 128$$

So you are paying \$128.00 for the Jeans before taxes.



Percent Calculations

Problem:

Your sales tax rate is 7%. What will be the final price for the blue jeans after your discount and sales taxes are applied?



Percent Calculations

Question: What is 7% of \$128.00

Translate into an equation:

is = “=”

of = “*”

What = “x”

5% = “5/100”, etc

$$x = (7/100) * 128$$

Solution:

$$x = (.07)*128,$$

$$x = \$8.96$$

Thus, the final price: \$128.00 + \$8.96 = \$136.96

