

Set up and solve an equation to answer the question below. Round your answer to the nearest tenth of a percent if necessary.

6) What percent of 69 is 55?

Find the percentage change. Round to the nearest tenth of a percent if necessary and state whether the change is an increase or a decrease.

7) From 78 inches to 93 inches

Find the final price of the item below, given that the tax will be applied to the discounted price.

8) Original price of a camera: \$799.50

Discount: 47%

Tax: 1%

Use simple interest to find the ending balance, given the following values for principal, rate, and time.

9) \$42,000 at 9.8% for 4 years

Solve the equation given in #10.

$$10) \frac{x}{2} + 5 = 7$$

Solve the equation given in #11.

$$11) -(1 - 5n) - 3(5n + 4) = 7$$

Solve the equation given in #12.

$$12) \frac{1}{12} = -\frac{15}{4}b + \frac{11}{3}b$$