

PERCENTAGES DRILL

What is 25% of 200?

What is 110% of 50?

If there are 50 questions on a test and you answered 36 questions correctly, what is your percent score on the test?

If a book regularly costs \$20 but you have a coupon for 15% off the book, what would you pay altogether for the book after 7% sales tax is added?

Lydia has \$1,000 in her savings account on January 1 of this year. If she earns 2% interest, compounded annually, how much money will she have on January 1 two years from now (assuming she makes no additional deposits or withdrawals)?

Solutions

$$0.25 \times 200 = 50$$

$$1.10 \times 50 = 55$$

$$\frac{36}{50} \times 100 = 72\%$$

First determine the discounted price for the book:

$$\$20 - (0.15 \times \$20) = \$17$$

Then, add the 7% sales tax to the price to get the total price paid:

$$\$17 + (0.07 \times \$17) = \$18.19$$

Alternatively, combine the addition and subtraction steps to save time in your calculations:

$$\$20 \times (0.85) = \$17$$

$$\$17 \times (1.07) = \$18.19$$

A 2% increase on an original amount of x is calculated like this:

$$x + 0.02x = 1.02x$$

To compound the 2% interest on the original sum of \$1,000 over two years, multiply the original amount by 1.02 *twice* to get the total amount of money:

$$1.02 \times 1.02 \times \$1,000 = \$1,040.40$$

PSAT Resource Links

PSAT Online Practice Tests: <https://www.crackpsat.net/psat/>

❖ PSAT Reading Practice Tests:

<https://www.crackpsat.net/psat/reading/>

❖ PSAT Writing and Language Tests:

<https://www.crackpsat.net/psat/writing-language/>

❖ PSAT Math Practice Tests:

<https://www.crackpsat.net/psat/math/>

PSAT Real Past Papers Download:

<https://www.crackpsat.net/psat-downloads/>

New SAT Practice Tests:

<https://www.cracksat.net>

ACT Practice Tests:

<https://www.crackacc.com>

AP Exams Practice Tests:

<https://www.crackap.com>

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