

Entrepreneurship 12

Mathematical Reasoning and Number Operations

Business owners use math to solve business problems. They may use paper and pencil, calculators, or computers, or sometimes they solve a problem by doing the math in their head. Whatever the method, solving a math problem is one of the basics skills that of a successful entrepreneur.

For each statement, describe which mathematical operation would be used to find the answer, and then give an example.

Sample

Tim's sales went up by 20% this year.

Take Tim's sales number from last year, multiply by 20%, and add the answer to last year's sales number.

E.g. \$14,538 in sales last year

$$14,538 \times 0.20 + 14,538$$

- a. The buyer offered Anna a price of three times annual sales to buy her business.
- b. His sales were down by \$240 last month.
- c. One half of her selling price was profit.
- d. In three years, his sales doubled.
- e. Manuel's expenses increased by \$25,000
- f. Rena sold her T-shirt business for ten times what it cost her to start it.
- g. The cost of rent was only a fifth of Frank's profits.