

Write an equation for each problem. Solve the equation.

- 1) A pair of shoes cost \$5 more than a pair of sandals. The total cost for both is \$99.90. Find the cost of the pair of shoes.

- 2) A pencil and pen together cost \$1.75. If the pen costs .45 more than the pencil, how much does the pencil cost?

- 3) Michelle has \$350 saved to pay for her surfing lessons. If a lesson costs \$25, how many lessons can she afford with her savings?

- 4) A plain cheese pizza costs \$10.25. Each addition topping costs \$1.10. If a pizza costs \$13.55, how many toppings are on the pizza?

- 5) The difference between 8 times a number and $\frac{1}{2}$ of the number is 16. Find the number.

Answer Key

1) $n + n + 5 = 99.90$; $n = 47.45$

2) $p + p + .45 = 1.75$; $p = .65$

3) $25x = 350$; $x = 14$

4) $10.25 + 1.10x = 13.55$; $x = 3$

5) $8x - \frac{1}{2}x = 16$; $x = 2.\bar{13}$