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| <p>1. Roberta has a monthly membership in the Northside Fitness Center for 15 months. For a monthly membership, the fitness center charges a one-time registration fee of \$150 and an additional monthly fee. So far, Roberta has spent a total of \$1,350. What amount is the monthly fee? Write and solve an equation.</p> | <p>2. Latoya has the coupons shown below.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Buy 5 CDs Get the Sixth CD free!!</p> </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>20% off all CDs!!</p> </div> </div> <p>She wants to buy 6 CDs that normally cost \$14 each. Which Coupon should Latoya use to get the cheaper price?</p> | <p>3. In problem 2, how much will Latoya save by using the coupon for the better deal?</p> | | | | | | | | | | |
| <p>1. The new package of Marti's snacks contains 20% more snack mix than the old package. There were 22 ounces of snack mix in the old package. How many ounces are in the new package?</p> | <p>2. Mylene is hanging a mirror and wants to center it on the wall. The mirror is 36 inches long, and the wall is 72 inches from corner to corner. What is the distance from the corner to the edge of the mirror?</p> | <p>3. The table shows a proportional relationship.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Time (s)</td> <td>4</td> <td>7</td> <td>9</td> <td>12</td> </tr> <tr> <td>Distance (mi.)</td> <td>11.6</td> <td>20.3</td> <td>26.1</td> <td>x</td> </tr> </table> <p>What is the value of x?</p> | Time (s) | 4 | 7 | 9 | 12 | Distance (mi.) | 11.6 | 20.3 | 26.1 | x |
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| <p>1. For which pair of x and y values is the following equation true? Show your work to justify your answer.</p> $y = 3x + 7$ <p>A. $x = 3$ and $y = 7$ B. $x = 7$ and $y = 3$ C. $x = 16$ and $y = 3$ D. $x = 3$ and $y = 16$</p> | <p>2. Four friends have dinner at a restaurant. The total bill is \$65.00 and they want to leave a 15% tip. If they split the total cost equally among them, how much will each person pay?</p> | <p>3. Write a simplified expression for the perimeter of the triangle.</p> |
| <p>1. Tuition today is \$4,300.00 per semester. Next year there will be a 2.5% increase. How much will tuition be next year?</p> | <p>2. Jamal found 32 shells at the beach. Hayes found $\frac{7}{8}$ as many shells as Jamal found. How many shells did Hayes find?</p> | <p>3. A passenger plane flew from New York City to New Orleans in 2 hours and 45 minutes. If the distance traveled was 1,310 miles, what was the approximate average speed of the plane?</p> |