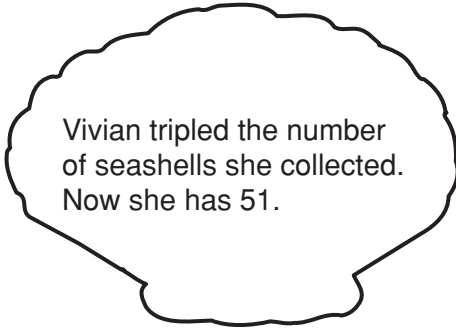


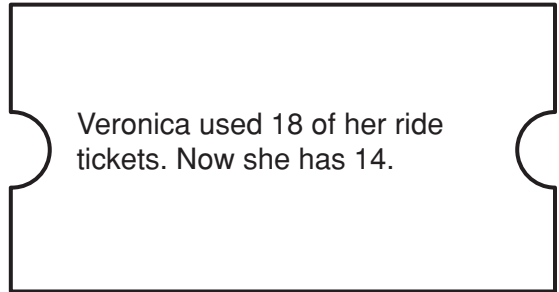
An Equation Vacation!

Vernon and Vivian Variable, along with their kids, Van, Velma, and Veronica, are on their annual beach vacation. Using x as the variable, write an algebraic equation to represent each situation below.

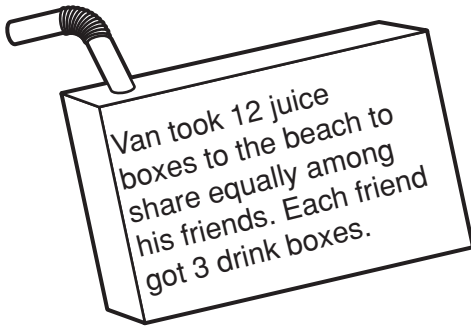
1.



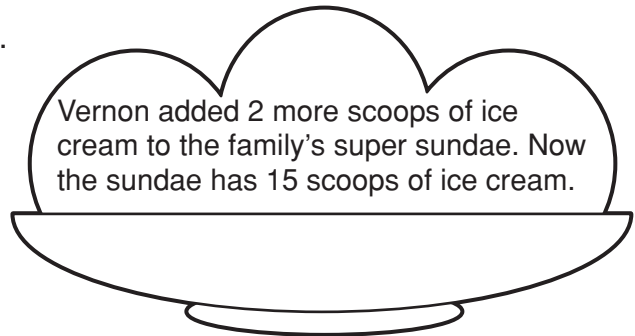
2.



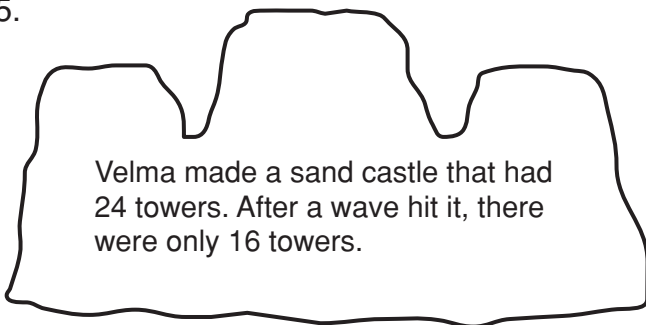
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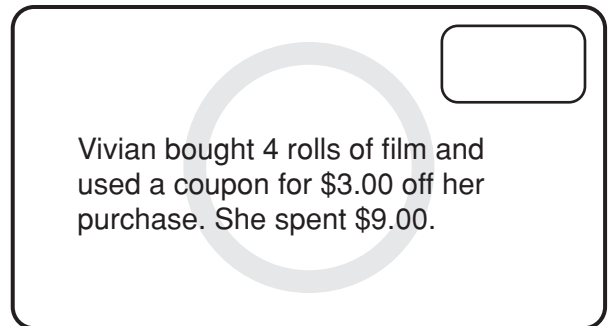
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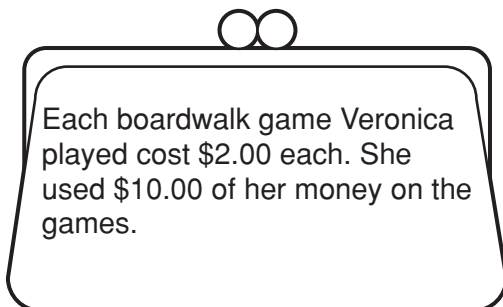
5.



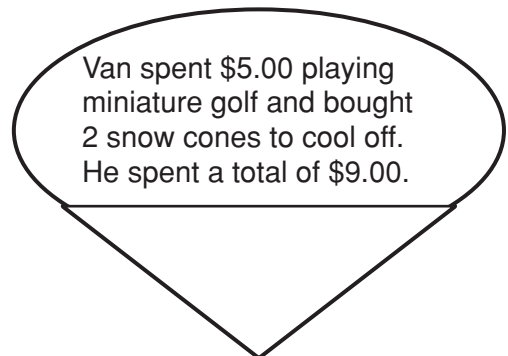
6.



7.



8.



Bonus Box: Look back at problem 6. If Vivian's film had cost \$5.00 a roll, how much money would she have spent?

Answer Key for “An Equation Vacation!”

1. $3x = 51$
2. $x - 18 = 14$
3. $12 \div x = 3$ or $12 \div 3 = x$
4. $x + 2 = 15$
5. $24 - x = 16$
6. $4x - \$3.00 = \9.00
7. $\$10.00 \div x = \2.00 or $2x = 10$
8. $2x + \$5.00 = \9.00

Bonus Box: \$17.00