

Write the equation and solve for the unknown.

1. Jennifer bought 3 bags of trail mix to make snack packs. She made 18 snack packs with the trail mix. Write an equation to represent the number of snack packs each bag of trail mix made.
2. Samantha, who is 3 years older than Francis, is 12. Write an equation to represent Francis' age.
3. Frederick is half as tall as his older sister. His older sister is 62 inches tall. Write an equation to represent Frederick's height. *Be careful of the wording*
4. Franco bought a bag of 25 jolly ranchers. After sharing with his friends, he had 13 left. Write an equation to represent the number of jolly ranchers he shared with his friends.
5. A rectangle's length is 4 less than twice its width. If its width is w , what is its perimeter?
6. $8(3x+2y-7)+5(4x+8y-2)$
7. The distance formula is $d=rt$. Rearrange the formula to solve for r .