

Name(s): _____

Give *y* a Try!

Write an algebraic equation to represent and solve each problem.



1. A rectangle's length is y cm. Its width is 5 cm. Its perimeter is 34 cm. Find the length of the rectangle.
2. A rectangle's length is _____ cm. Its width is _____ cm. The perimeter is 10 cm. Find the rectangle's width.
3. Harold's dad is 3 times his age. The sum of Harold's age and his father's age is 60 years. How old is Harold? How old is his dad?
4. Oriana is 5 years older than her brother Francisco. The sum of their ages is 27. How old is each child?
5. Ella is twice Bella's age, and Stella is three times Bella's age. The difference between Stella's and Bella's ages is 8 years. How old is each girl?
6. Harlan's dad is 3 years more than 4 times Harlan's age. The difference in their ages is 30 years. How old is Harlan? How old is his dad?
7. Sally has twice as many hair ribbons as Natasha. Bethany has 3 less than Sally. The sum of all three girls' ribbons is 32. How many hair ribbons does each girl have?
8. Janet bought 3 dozen donuts from Delectable Donuts. She bought 3 times as many honey-dipped as plain. She bought 6 fewer chocolate-frosted than honey-dipped. How many of each did she buy?
9. Ty, Malcolm, and Fred were playing basketball. Malcolm made 2 more baskets than Ty, and Fred made 4 more than twice the number that Ty made. Together, the boys made 42 baskets. How many baskets did each boy make?