

Real-Life Application: When Will I Ever Use This?

For use with pages 728–734

Saint Bernard

The Saint Bernard, a people and family oriented breed of dog, originated in Switzerland in the 18th century where it was used primarily to guide monks over snow covered trails. It stands from 25 to 29 inches high and weighs anywhere from 140 to 170 pounds. Saint Bernards can have both rough and smooth coats that can be white with red markings, red with white markings, white with brindle, or brindle with white. They have a sturdy, muscular body with an imposing head and alert facial expressions.

Although undoubtedly cute, this breed of dog requires a lot of care and affection. These large dogs shed a lot of hair and drool constantly. They need to be fed twice a day to sustain them. Despite their size, they are a loving dog that will protect their family and home.

In Exercises 1–5, use the following information.

You are building a doghouse for your Saint Bernard, Hercules. You want the doghouse to match the color and style of your house as much as possible, so you plan to paint it and shingle the roof. The doghouse will be five feet long and four feet wide. The height of the doghouse is four feet and the roof peak rises two additional feet.

1. Find the amount of painted area (not including the area to be shingled).
2. If one gallon of paint covers 400 square feet, how many gallons are needed if you plan to put two coats outside and paint all the side walls of the inside twice?
3. Find the area of the roof that is to be shingled.
4. Shingles come in squares. One square of shingles covers 100 square feet. How many squares of shingles will you need to buy?
5. Will you have enough shingles left to re-shingle the storage shed if its roof has twice the area of the roof of the doghouse?

