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Understanding the composition of Juanita's horse herd provides valuable insights into her ranch's breeding, training, and management practices. With 60 horses in total and a significant percentage being Thoroughbreds, it's essential to determine how many horses fall into other breeds or categories. This article explores the calculation process, the significance of Thoroughbred horses, and additional related information to give a comprehensive understanding of the scenario.

Breaking Down the Horse Population

Before diving into calculations, let's clarify what the problem entails:

- Total horses on Juanita's ranch: 60
- Percentage of Thoroughbreds: 60%
- Percentage of non-Thoroughbred horses: remaining percentage ($100\% - 60\% = 40\%$)

The question is: How many horses are not Thoroughbreds?

Calculating the Number of Thoroughbreds

Step 1: Convert Percentage to a Decimal

To perform the calculation, convert the percentage to a decimal:

- $60\% = 0.60$

Step 2: Calculate the Number of Thoroughbreds

Multiply the total number of horses by the decimal representing the percentage:

- Number of Thoroughbreds = Total horses $\times$ Percentage of Thoroughbreds
- Number of Thoroughbreds = $60 \times 0.60 = 36$

So, Juanita's ranch has 36 Thoroughbred horses.

Step 3: Calculate the Number of Non-Thoroughbreds

Subtract the number of Thoroughbreds from the total:

- Number of non-Thoroughbreds = Total horses - Thoroughbreds
- Number of non-Thoroughbreds = $60 - 36 = 24$

Therefore, 24 horses are not Thoroughbreds on Juanita's ranch.

Understanding Thoroughbreds and Their Significance

What Are Thoroughbred Horses?

Thoroughbreds are a specific breed renowned for their speed, agility, and endurance. They are primarily used in horse racing but are also valued for their athleticism in various equestrian sports. Originating from England in the 17th and 18th centuries, Thoroughbreds have become one of the most recognized breeds worldwide.

Characteristics of Thoroughbreds

- Physical Traits: Tall, slim, and athletic build; long legs; lean muscles.
- Temperament: Generally energetic, spirited, and intelligent.
- Purpose: Racing, show jumping, eventing, and other competitive disciplines.

Why Are They Popular on Ranches?

Thoroughbreds are prized for their speed and stamina, making them ideal for racing and competitive sports. Ranches that focus on breeding or training racehorses often have a high percentage of Thoroughbreds. They also serve as excellent riding horses for experienced riders interested in competitive disciplines.

Other Horse Breeds and Categories on a Ranch

While Thoroughbreds are popular, many ranches also keep various other breeds and types of horses, each serving different purposes.

Common Horse Breeds Found on Ranches

- **Quarter Horses:** Known for quick acceleration and agility; ideal for ranch work, rodeo events, and trail riding.
- **Arabians:** Recognized for endurance and stamina, often used in long-distance riding and endurance races.