

Math Forum - Problem of the Week

Apple Orchard [Problem #16012]

On a recent trip to a local orchard, the Nomial family picked four different kinds of apples - Braeburn, Cortland, Fuji, and Rome. When they were done, they discovered that they had picked



- a total of 360 apples,
- twice as many Braeburn as Fuji,
- twice as many Cortland as Rome,
- 50% more Fuji than Rome.

How many of each kind of apple did they pick?

Extra: The Factore family went to the same orchard and picked the same four kinds of apples. When they finished, they found that

- they had picked four times as many Fuji as Rome,
- they had 25% more Braeburn than Fuji,
- the number of Cortland exactly equaled the difference between the numbers of Fuji and Rome.

What fraction of their total apples are Fuji?