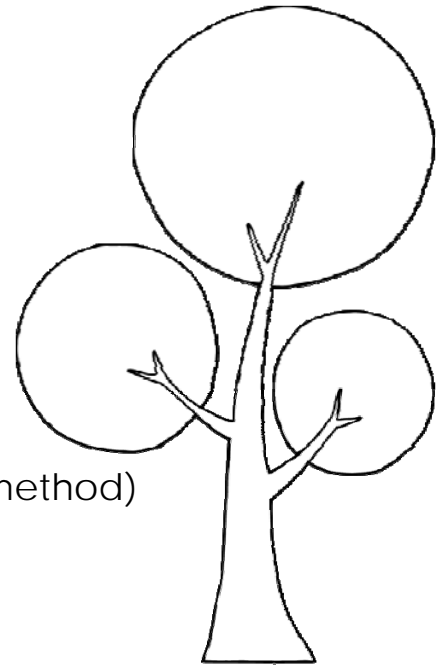Name _____   Date _____

Percentage of Integers (Using Ratios) Lesson

In late September, 18% of the trees on the school property had their leaves change from green to brown. The school property has 72 trees. How many trees on the school property have leaves that are brown? (Use the ratio/proportion method)

Explanation:

We are told to use the ratio/proportion method. To use this method we convert the percentage to a fraction and then place our integer under an unknown variable (x).

What is 18% of 72?

Convert percentage to a fraction: 18% = $\frac{18}{100}$

Create a ratio/proportion with an unknown value (x): $\frac{18}{100} = \frac{x}{72}$

Solve for x: $100x = 1,296$

Solve for x: 12.96 or 13 (rounded)

Final answer: 13 trees have brown leaves