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Proportions

A ratio between a part and a whole

1 chance in 5 = $1/5$

If we could rerun the Super Bowl 5 times, we would expect the Patriots to win 4 times, and the Rams to win only once

$3/7$ = if there are three things that we want to happen (call success), and there are 7 things that can happen, then the proportion of things that we want to happen are $3/7$

Proportions can be written as fractions, percents, scientific notation, decimals

Scientific notation $E = \times 10^{\wedge}$

$$0.5 = 5 \times 10^{-1} = \frac{5}{10} = \frac{1}{2}$$

Tree diagram

