

Probability Basics — Cheat Sheet

11+ Maths Guide · Year 5-6 · Keep this by your desk

PROBABILITY BASICS

1. Scale: 0 impossible $\rightarrow$ $\frac{1}{2}$ even chance $\rightarrow$ 1 certain.
2. $P = \text{favourable} \div \text{total}$ (equally likely outcomes).
3. Simplify the fraction: $3/6 = 1/2$.
4. Each fair trial is independent of the last.

Examples: $P(\text{even on a dice}) = 3/6 = 1/2$ · $P(\text{green}) = 5/10 = 1/2$.