



Assessment Reference Sheet Biology

Formula Name	Symbol	Formula
Average	\bar{x} or Avg.	$\frac{(a_1 + a_2 + \dots + a_n)}{n}$ where n = number in set
Population Density – Area	ρ	$\frac{\# \text{ of individuals}}{\text{Area}}$ where N = Population size
Percentage	%	$\frac{\# \text{ of favorable}}{\# \text{ of possible}} \times 100$ or $\frac{\text{part}}{\text{total}} = \frac{\text{part}}{100}$
Population Growth Rate	PGR	$\frac{B - D}{t}$ where B = Birth D = Death t = time percentage growth = PGR \times 100
Probability (Genetics)	P	$\frac{\# \text{ of favorable outcomes}}{\# \text{ of possible outcomes}}$
Rate	Rate	$\frac{\text{any unit}}{\text{time}}$
Surface Area – Square	A	$l \times w$ where l = length w = width
Volume – Cube	V	$l \times w \times h$ or $1 \text{ cm}^3 = 1 \text{ mL}$ where l = length w = width h = height