

Clutch size is dependent on multiple variables:

Symbol	description
$a$	fraction of sons aborted
$C$	clutch size
$E$	total energy invested in clutch
$e\_daughter$	energy investment to produce one healthy daughter
$e\_son$	energy investment to produce one healthy son
$s$	primary sex ratio

Clutch size general formula without abortion:

$$C(s) = \frac{E}{e\_son s + e\_daughter (1 - s)}$$

Clutch size general formula with all sons aborted:

$$C(s) = \frac{E}{e\_abort s + e\_daughter (1 - s)}$$

Clutch general formula, where  $a$  denotes the fraction of sons that are aborted:

$$C(s, a) = \frac{E}{(1 - a) a e\_abort e\_son s + e\_daughter (1 - s)}$$

Assuming  $s = 0.5$ , this results in:

$$C(0.5, a) = \frac{E}{0.5 (1 - a) a e\_abort e\_son + 0.5 e\_daughter}$$