



<https://turtleacademy.com>

External Angles

Triangle	120°
Square	90°
Hexagon	60°
Octagon	45°

You can work out the external angle of any shape by using the following calculation:

$$360 / \text{number of sides}$$

For example, a dodecagon has 12 sides:

$$360 / 12 = 30$$

The external angle for a dodecagon is : 30°

Logo Instructions

Key terms

1	FD n	Forward
2	BK n	Backward
3	RT d	Right turn
4	LT d	Left turn
5	PU	Pen up
6	PD	Pen down
7	CS	Clear screen
8	Home	Send home
9	SETPC	Pen colour
10	SETFC	Fill colour
11	FILL	Fill shape
12	REPEAT	Repeat instructions

Geometrical shapes	Shapes that are defined by a set of mathematical rules
Coordinates	A set of values to show an exact position (x and y)
Iteration	Using repetition of a process to create a more efficient solution
Decomposition	The process of breaking something down into smaller parts
Algorithm	A set of step-by-step instructions which, when followed, solve a problem
External angle	The angle you must turn when drawing a shape