

Symmetry (Lines in 2-D and Planes in 3-D)

E.g. 1 Copy and complete the table:

Shape	Number of lines of symmetry	Order of rotational symmetry
Equilateral triangle	3	3
Isosceles triangle		
Scalene triangle		
Square		
Rectangle		
Circle		

Working:

Shape	Number of lines of symmetry	Order of rotational symmetry
Equilateral triangle	3	3
Isosceles triangle	1	No rotational symmetry
Scalene triangle	0	No rotational symmetry
Square	4	4
Rectangle	2	2
Circle	∞	∞

N.B. ∞ is the symbol for infinity.

Video: [Lines of symmetry](#)
Video: [Rotational symmetry](#)
Video: [Planes of symmetry 1](#)
Video: [Planes of symmetry 2](#)

[Solutions to Starter and E.g.s](#)

Exercise

9-1 class textbook: p275 M9.1 Qu 1-3; p276 M9.2 Qu 1-5
A*-G class textbook: p234 M9.1 Qu 1-3; p235 M9.2 Qu 1-5
9-1 homework book: p93 M9.1 Qu 1-12; p94 M9.2 Qu 1-3
A*-G homework book: p66 M9.1 Qu 1-12; p67 M9.2 Qu 1-3

[Homework book answers \(only available during a lockdown\)](#)