







Exercise-14.1



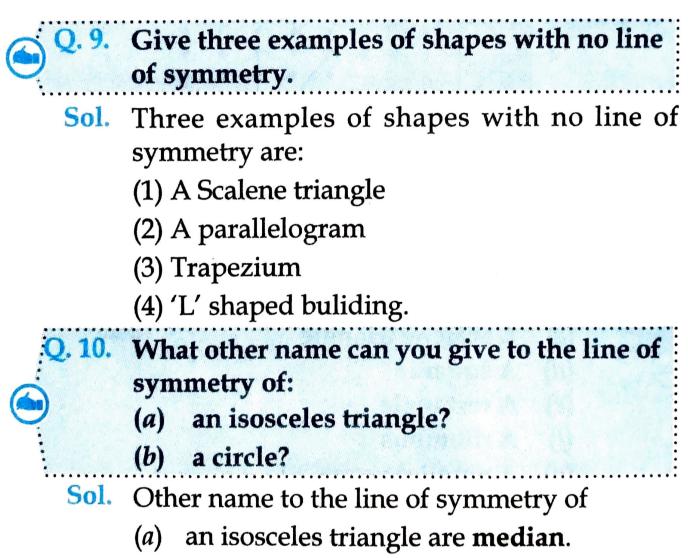


Q. 7	Stat	State the number of lines of symmetry for the following figures:		
•	the			
	(a)	An equilateral triangle		
:	(b)	An isosceles triangle		
	(<i>c</i>)	A scalene triangle		
	(<i>d</i>)	A square		
	(e)	A rectangle		
•	(f)	A rhombus		
	(g)	A parallelogram		
•	(<i>h</i>)	A quadrilateral		
	(<i>i</i>)	A regular hexagon		
	(j)	A cricle		

Sol.

	Figures	Numbers of lines of symmetry
(a)	An equilateral triangle	Three lines of symmetry
(b)	An isosceles triangle	Only one line of symmetry
(<i>c</i>)	A scalene triangle	No line of symmetry
(<i>d</i>)	A square	Four lines of symmetry
(e)	A rectangle	Two lines of symmetry
(f)	A rhombus	Four lines of symmetry
(g)	A parallelogram	No line of symmetry
(<i>h</i>)	A quadrilateral	No line of symmetry
(<i>i</i>)	A regular hexagon	Six lines of symmetry
(j)	A cricle	infinitely many lines of symmetry.

- **Q. 8.** What letters of the English alphabet have reflectional symmetry (*i.e.*, symmetry related to minnor reflection) about:
 - (*a*) a vertical mirror
 - (b) a horizontal mirror
 - (c) both horizontal and vertical mirrors.
 - **Sol.** Letter of the English alphabet having reflectional symmetry across:
 - (*a*) a vertical mirror A, H, I, M, O, T, U, V, W, X, Y
 - (b) a horizontal mirror B, C, D, E, H, I, K, O, X
 - (c) Both horizontal and vertical mirrors O, X, I, H



(b) a circle are **diameter**.