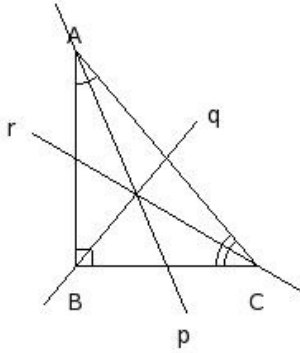




1. The English alphabet letter 'K' has how many lines of symmetry?

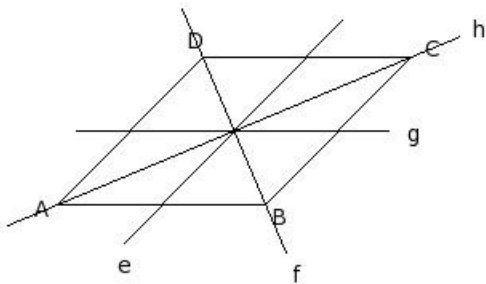
- (i) one (ii) zero (iii) three (iv) infinite (v) two

2. Identify the line(s) of symmetry in the following figure



- (i) p (ii) r (iii) none (iv) { p, q, r } (v) q

3. Which of the following are line(s) of symmetry for the given rhombus?

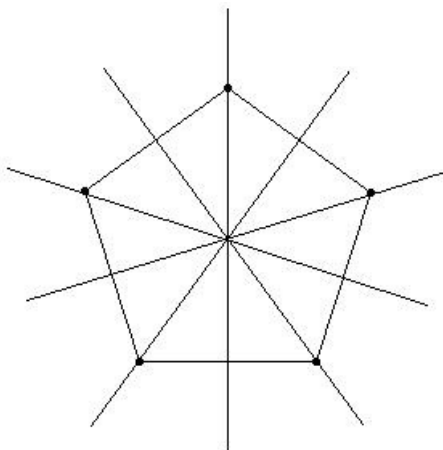


- (i) { e, g } (ii) e (iii) f (iv) { e, f, g, h } (v) { f, h }

4. Which of the following English alphabet letters have two lines of symmetry?

- (i) L (ii) M (iii) B (iv) F (v) X

5. Given figure has how many lines of symmetry?



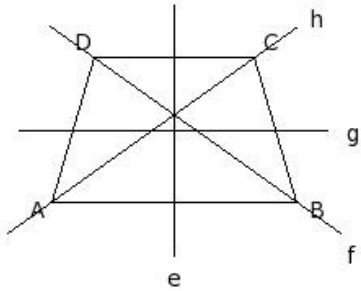
- (i) 2 (ii) 6 (iii) 5 (iv) 7 (v) 4

6. Which of the following figures have one line of symmetry?

- a) isosceles right angled triangle
- b) line segment
- c) angle with unequal arms
- d) angle with equal arms
- e) scalene triangle
- f) isosceles triangle
- g) equilateral triangle
- h) right angled triangle

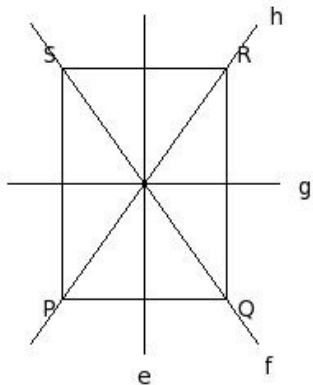
- (i) {c,d} (ii) {a,d,f} (iii) {e,g,f} (iv) {h,a,d} (v) {b,a}

7. Which of the following are line(s) of symmetry for the given isosceles trapezium?



- (i) { e, g } (ii) { e, f, g, h } (iii) h (iv) f (v) e

8. Which of the following are line(s) of symmetry for the given rectangle?



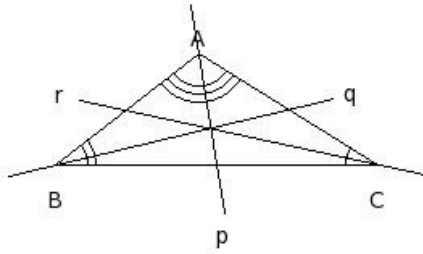
- (i) { e, g } (ii) f (iii) { f, h } (iv) g (v) h

9. Which of the following are true?

- a) An n-sided regular polygon has  $n/2$  lines of symmetry if n is even.
- b) Line of symmetry divides the polygon into two identical shapes.
- c) If a triangle has two lines of symmetry, then it is a regular polygon.
- d) Lines of symmetry of a regular polygon are nothing but the diagonals of a regular polygon.
- e) If a quadrilateral has four lines of symmetry, then it is a regular polygon.
- f) A regular polygon of n sides will have n lines of symmetry.
- g) If a polygon is not regular, it will have less number of axes of symmetry than the number of sides.

- (i) {c,g,b} (ii) {d,a,f} (iii) {b,e,f,g} (iv) {a,b} (v) {c,e}

10. Identify the line(s) of symmetry in the following figure



- (i) p (ii) none (iii) q (iv) r (v) { p, q, r }

11. The English alphabet letter 'H' has how many lines of symmetry?

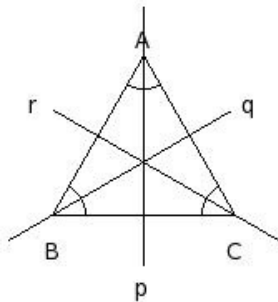
- (i) zero (ii) three (iii) two (iv) one (v) infinite

12. A median is an axis of symmetry in which of the given figures?

- a) isosceles right angled triangle
- b) equilateral triangle
- c) scalene triangle
- d) right angle triangle
- e) isosceles triangle

- (i) {c,a,b} (ii) {a,b,e} (iii) {d,b} (iv) {c,d,e} (v) {c,a}

13. Identify the line(s) of symmetry in the following figure



- (i) r (ii) none (iii) { p, q, r } (iv) p (v) q

14. Which of the following figures have three lines of symmetry?

- a) scalene triangle
- b) isosceles right angled triangle
- c) equilateral triangle
- d) right angle triangle
- e) isosceles triangle
- f) line segment

- (i) {b,c} (ii) {c} (iii) {a,c} (iv) {f,c} (v) {d,e,c}

15. Which of the following figures have two lines of symmetry?

- a) square
- b) line segment
- c) scalene triangle
- d) rectangle
- e) angle with equal arms
- f) kite
- g) isosceles triangle
- h) isosceles trapezium

(i) {e,f,b} (ii) {c,d} (iii) {a,b} (iv) {g,d,b} (v) {b,d}

16. Which of the following English alphabet letters have infinite lines of symmetry?

(i) H (ii) C (iii) O (iv) X (v) B

17. Which of the following English alphabet letters have one line of symmetry?

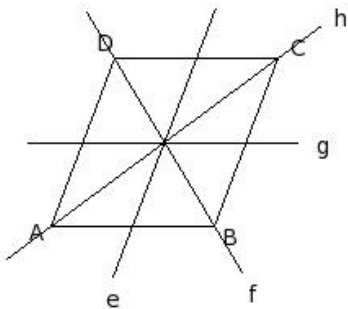
(i) X (ii) H (iii) P (iv) K (v) J

18. Which of the following figures have no line of symmetry?

- a) isosceles triangle
- b) scalene triangle
- c) angle with equal arms
- d) line segment
- e) angle with unequal arms
- f) equilateral triangle

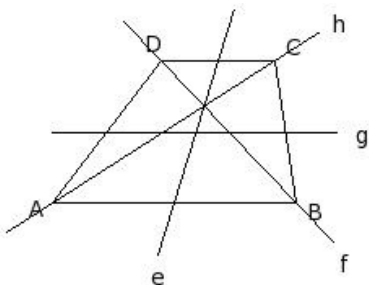
(i) {b,e} (ii) {c,e} (iii) {a,b} (iv) {d,f,b} (v) {a,e,b}

19. Which of the following are line(s) of symmetry for the given parallelogram?



(i) none (ii) g (iii) f (iv) h (v) { e, f, g, h }

20. Which of the following are line(s) of symmetry for the given trapezium?



(i) { e, f, g, h } (ii) e (iii) f (iv) h (v) none

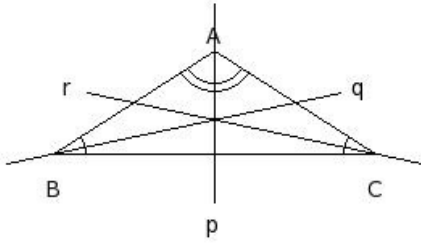
21. Which of the following English alphabet letters have zero lines of symmetry?

(i) I (ii) B (iii) U (iv) F (v) H

22. The English alphabet letter 'O' has how many lines of symmetry?

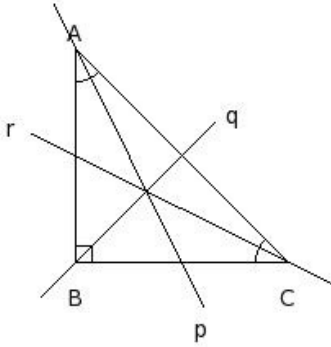
- (i) infinite (ii) two (iii) one (iv) three (v) zero

23. Identify the line(s) of symmetry in the following figure



- (i) q (ii) r (iii) p (iv) none (v) { p, q, r }

24. Identify the line(s) of symmetry in the following figure



- (i) none (ii) r (iii) q (iv) { p, q, r } (v) p

25. The English alphabet letter 'L' has how many lines of symmetry?

- (i) one (ii) two (iii) infinite (iv) zero (v) three

## Assignment Key

1) (i)	2) (iii)	3) (v)	4) (v)	5) (iii)	6) (ii)
7) (v)	8) (i)	9) (iii)	10) (ii)	11) (iii)	12) (ii)
13) (iii)	14) (ii)	15) (v)	16) (iii)	17) (iv)	18) (i)
19) (i)	20) (v)	21) (iv)	22) (i)	23) (iii)	24) (iii)
25) (iv)					