



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

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

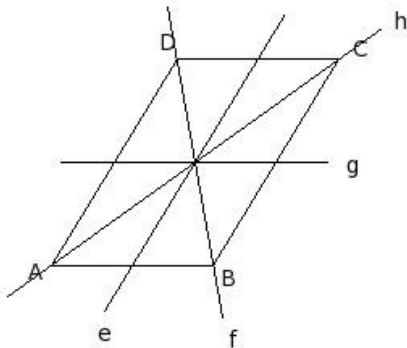
2. Which of the following English alphabet letters have zero lines of symmetry?

- (i) M (ii) I (iii) H (iv) C (v) F

3. The English alphabet letter 'E' has how many lines of symmetry?

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

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



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

5. Which of the following are true?

- a) A figure can be broken into two congruent shapes about its axis of symmetry.
- b) An obtuse angled triangle has zero lines of symmetry.
- c) Axis of symmetry of a figure need not intersect with the figure at any point.
- d) For every point on the figure on one side of the axis of symmetry, there is a corresponding point on the other side.
- e) Line of symmetry and axis of symmetry are same.
- f) A line segment has one line of symmetry.
- g) Line of symmetry is perpendicular to axis of symmetry.
- h) A figure can have multiple axes of symmetry.

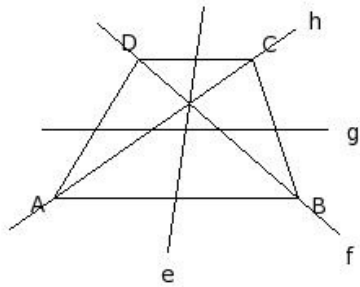
- (i) {b,a} (ii) {c,d} (iii) {b,h,a} (iv) {f,g,e} (v) {a,d,e,h}

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

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

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

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



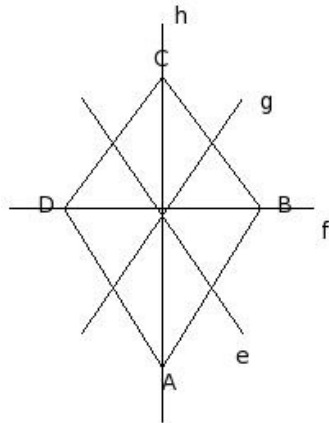
- (i) e (ii) { f, h } (iii) f (iv) { e, f, g, h } (v) none

8. Which of the following figures have infinite lines of symmetry?

- a) sector of a circle
- b) n-sided polygon where n is very large
- c) circle
- d) line segment
- e) semicircle

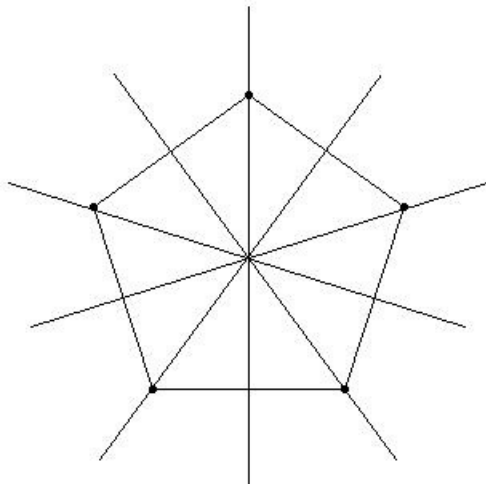
- (i) {c} (ii) {b,c} (iii) {a,c} (iv) {d,e,c}

9. Which of the following are line(s) of symmetry for the given kite?



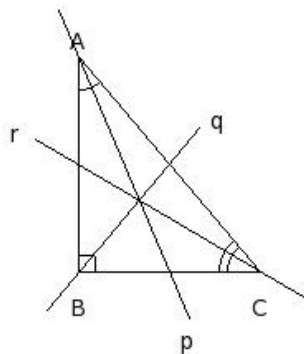
- (i) { f, h } (ii) h (iii) g (iv) { e, f, g, h } (v) none

10. Given figure has how many lines of symmetry?



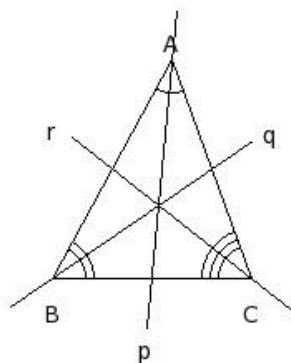
- (i) 3 (ii) 5 (iii) 7 (iv) 4 (v) 6

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



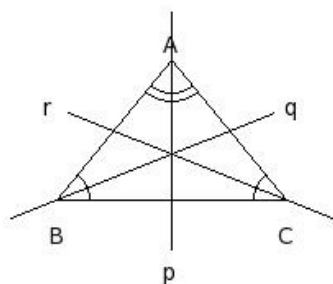
- (i) r (ii) p (iii) { p, q, r } (iv) q (v) none

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



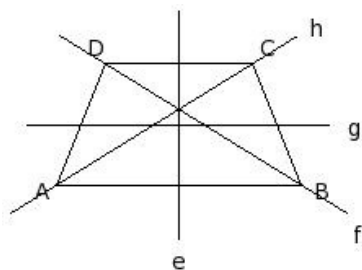
- (i) none (ii) q (iii) p (iv) { p, q, r } (v) r

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



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

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



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

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

- (i) I (ii) O (iii) B (iv) H (v) W

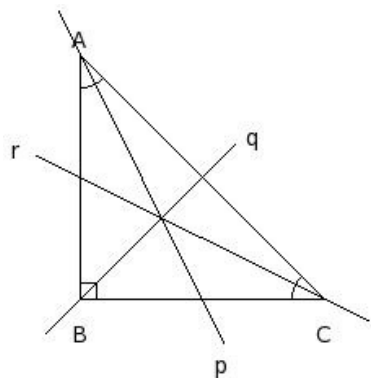
16. Which of the following English alphabet letters have one line of symmetry?

- (i) F (ii) B (iii) H (iv) G (v) I

17. The English alphabet letter 'I' has how many lines of symmetry?

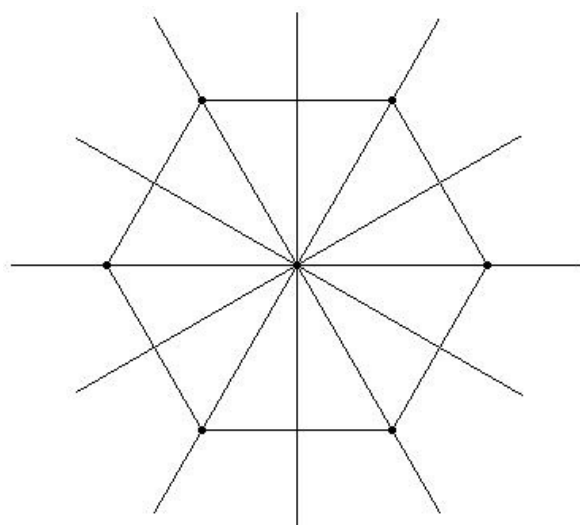
- (i) zero (ii) three (iii) infinite (iv) two (v) one

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



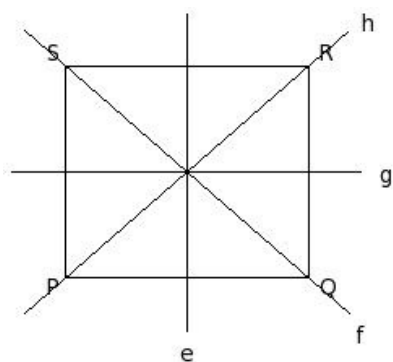
- (i) { p, q, r } (ii) r (iii) p (iv) none (v) q

19. Given figure has how many lines of symmetry?



- (i) 6 (ii) 7 (iii) 9 (iv) 5 (v) 3

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



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

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

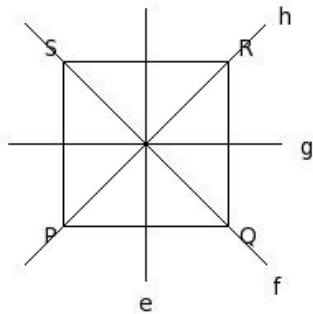
- (i) Z (ii) H (iii) D (iv) N (v) M

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

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

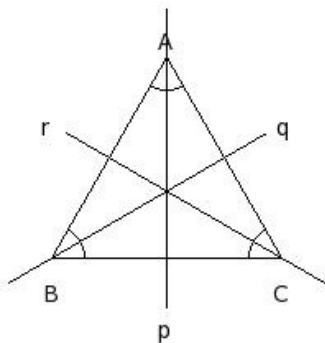
(i) {d,f,c} (ii) {a,c} (iii) {a,e,c} (iv) {b,e} (v) {c,e}

23. Which of the following are line(s) of symmetry for the given square?



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

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



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

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

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

Assignment Key

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