



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

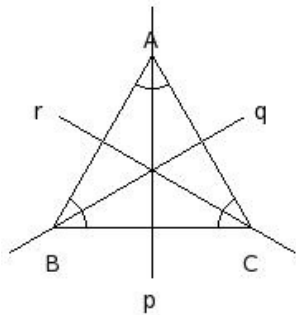
- (i) three (ii) two (iii) one (iv) infinite (v) zero

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

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

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

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



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

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

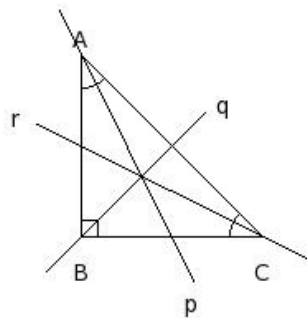
- (i) V (ii) E (iii) L (iv) N (v) X

5. Which of the following are true?

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

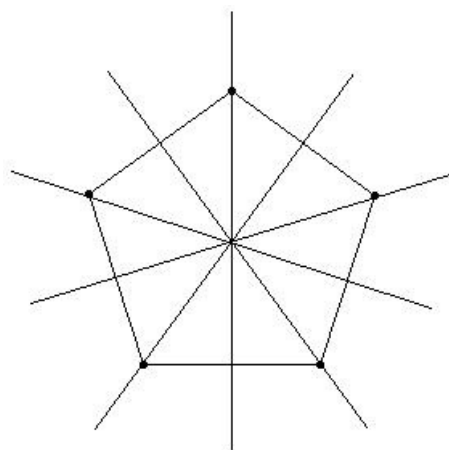
- (i) {a,c} (ii) {a,h,c} (iii) {c,d,g,h} (iv) {e,f,g} (v) {b,d}

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



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

7. Given figure has how many lines of symmetry?



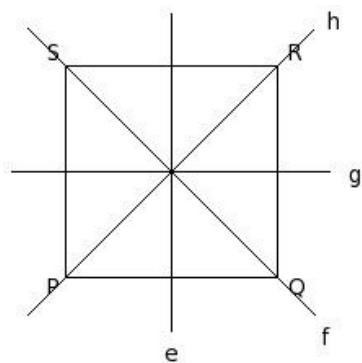
- (i) 7 (ii) 4 (iii) 5 (iv) 2 (v) 6

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

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

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

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



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

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

- (i) H (ii) E (iii) T (iv) X (v) O

11. Which of the following are true?

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

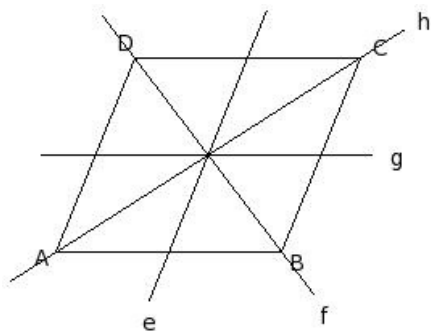
(i) {a,b} (ii) {f,a,e} (iii) {d,c} (iv) {d,g,b} (v) {b,c,e,g}

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

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

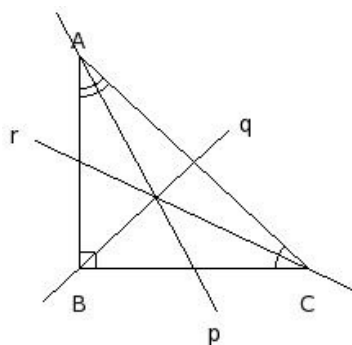
(i) {a,e} (ii) {b,e} (iii) {c,d,e} (iv) {e}

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



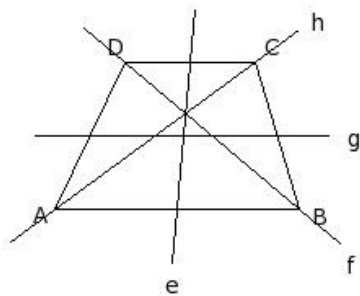
(i) { f, h } (ii) { e, f, g, h } (iii) none (iv) h (v) { e, g }

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



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

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



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

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

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

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

- (i) T (ii) Q (iii) I (iv) V (v) X

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

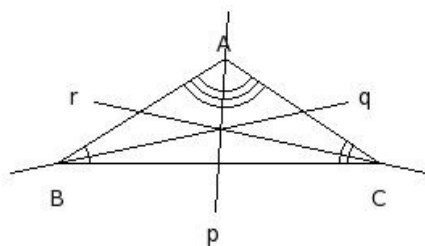
- a) scalene triangle
- b) kite
- c) line segment
- d) rectangle
- e) isosceles trapezium
- f) square
- g) isosceles triangle
- h) angle with equal arms

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

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

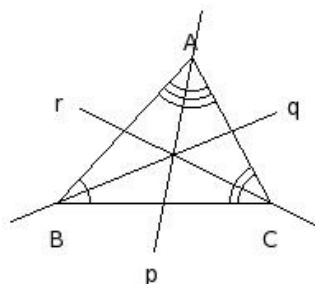
- (i) V (ii) P (iii) X (iv) H (v) F

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



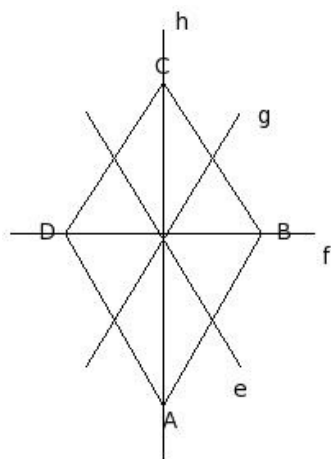
- (i) q (ii) none (iii) p (iv) r (v) { p, q, r }

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



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

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

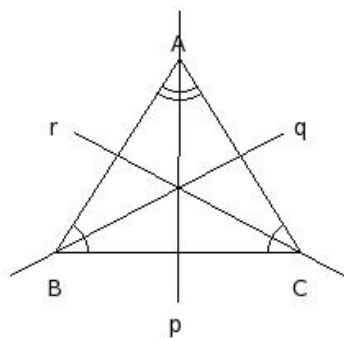


- (i) h (ii) e (iii) none (iv) g (v) { e, f, g, h }

23. The English alphabet letter 'F' has how many lines of symmetry?

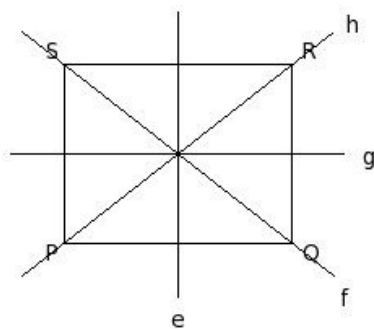
- (i) zero (ii) three (iii) two (iv) infinite (v) one

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



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

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



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

Assignment Key

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