

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



- (i) none (ii) e (iii) f (iv) { e, g } (v) g
- 2. Which of the following figures have three lines of symmetry?
 - a) right angle triangle
 - b) isosceles right angled triangle
 - c) isosceles triangle
 - d) scalene triangle
 - e) equilateral triangle
 - f) line segment
 - (i) {b,e} (ii) {f,e} (iii) {c,d,e} (iv) {a,e} (v) {e}
- 3. Which of the following figures have no line of symmetry?
 - a) line segment
 - b) angle with equal arms
 - c) scalene triangle
 - d) equilateral triangle
 - e) isosceles triangle
 - f) angle with unequal arms
 - (i) {a,f,c} (ii) {c,f} (iii) {b,f} (iv) {d,e,c} (v) {a,c}
- 4. Identify the line(s) of symmetry in the following figure



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

- 5. Which of the following figures have two lines of symmetry?
 - a) isosceles trapezium
 - b) isosceles triangle
 - c) line segment
 - d) kite
 - e) scalene triangle
 - f) rectangle
 - g) square
 - h) angle with equal arms
 - (i) {c,f} (ii) {d,e,c} (iii) {a,c} (iv) {g,f,c} (v) {b,f}
- 6. Identify the line(s) of symmetry in the following figure



- (i) { p, q, r } (ii) r (iii) none (iv) p (v) q
- 7. Which of the following figures have infinite lines of symmetry?
 - a) sector of a circle
 - b) line segment
 - c) semicircle
 - d) circle
 - e) n-sided polygon where n is very large
 - (i) {d} (ii) {c,e,d} (iii) {b,d} (iv) {a,d}
- 8. Which of the following are line(s) of symmetry for the given trapezium?



- (i) { f, h } (ii) none (iii) { e, g } (iv) e (v) g
- 9. The English alphabet letter 'O' has how many lines of symmetry?(i) zero (ii) one (iii) three (iv) two (v) infinite
- 10. The English alphabet letter 'H' has how many lines of symmetry?(i) infinite (ii) one (iii) three (iv) zero (v) two

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



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

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

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

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

- 13. Which of the following quadrilaterals have two lines of symmetry?
 - a) kite
 - b) rhombus
 - c) rectangle
 - d) parallelogram
 - e) isosceles trapezium
 - f) trapezium
 - g) square
 - (i) {e,f,b} (ii) {d,c} (iii) {b,c} (iv) {a,b} (v) {g,c,b}

14. Given figure has how many lines of symmetry?



(i) 5 (ii) 4 (iii) 6 (iv) 8 (v) 2

15. Which of the following quadrilaterals have four lines of symmetry?

a) isosceles trapezium

- b) kite
- c) rhombus
- d) parallelogram
- e) rectangle
- f) square
- g) trapezium

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(i) {c,d,f} (ii) {e,f} (iii) {a,f} (iv) {f} (v) {b,f}
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16. Which of the following are true?

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

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

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



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

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



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

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



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

20. The English alphabet letter 'S' has how many lines of symmetry?(i) two (ii) infinite (iii) one (iv) zero (v) three

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

a) line segment

- b) right angled triangle
- c) isosceles triangle
- d) equilateral triangle
- e) angle with equal arms
- f) isosceles right angled triangle
- g) scalene triangle
- h) angle with unequal arms
- (i) {h,c,e} (ii) {a,c} (iii) {d,g,f} (iv) {c,e,f} (v) {b,e}

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



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

23. Given figure has how many lines of symmetry?



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



- 25. Which of the following quadrilaterals have one line of symmetry?
 - a) square
 - b) kite
 - c) rectangle
 - d) trapezium
 - e) rhombus
 - f) isosceles trapezium
 - g) parallelogram
 - (i) {d,e,b} (ii) {c,f} (iii) {g,f,b} (iv) {b,f} (v) {a,b}

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

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