



Name: _____

Date: _____

1. How many lines of symmetry does a regular pentagon have?

6

1

5

3

2. A circle has how many lines of symmetry? (Type a number, or "infinite")

3. How many lines of symmetry does the capital letter "I" have?

4. Does the capital letter "F" have at least one line of symmetry?

No

Yes

5. A triangle has sides 5, 8, and 11. What type of triangle is it (by its sides)?

isosceles

scalene

equilateral



6. A triangle has angles 70° , 60° , and 50° . What type of triangle is it (by its angles)?

right

obtuse

acute

7. Which quadrilateral has exactly one pair of parallel sides?

trapezoid

parallelogram

rhombus

rectangle

8. How many lines of symmetry does an isosceles triangle have?

3

1

0

2

9. How many lines of symmetry does the capital letter "F" have?

10. Does the capital letter "C" have at least one line of symmetry?

Yes

No



11. Which quadrilateral has four equal sides but no right angles?

rhombus

square

rectangle

trapezoid

12. How many lines of symmetry does a non-square rectangle have?

4

2

0

5

13. How many lines of symmetry does the capital letter "A" have?

14. Does the capital letter "D" have at least one line of symmetry?

Yes

No

15. Which quadrilateral has four equal sides and four right angles?

rectangle

rhombus

trapezoid

square

16. How many lines of symmetry does the capital letter "J" have?



17. Does the capital letter "N" have at least one line of symmetry?

No

Yes

18. How many lines of symmetry does a regular hexagon have?

6

1

2

5



Answer Key

1. **5** A regular pentagon has 5 lines of symmetry.
2. **infinite** Every line through the center of a circle is a line of symmetry, so a circle has infinitely many.
3. **2** The capital letter I has 2 lines of symmetry.
4. **No** The letter F has 0 lines of symmetry, so the answer is No.
5. **scalene** It has no sides equal, so it is scalene.
6. **acute** It has all angles less than 90° , so it is an acute triangle.
7. **trapezoid** A trapezoid has exactly one pair of parallel sides.
8. **1** An isosceles triangle has 1 line of symmetry.
9. **0** The capital letter F has 0 lines of symmetry.
10. **Yes** The letter C has 1 line of symmetry, so the answer is Yes.
11. **rhombus** A rhombus has four equal sides but no right angles.
12. **2** A non-square rectangle has 2 lines of symmetry.
13. **1** The capital letter A has 1 line of symmetry.
14. **Yes** The letter D has 1 line of symmetry, so the answer is Yes.
15. **square** A square has four equal sides and four right angles.
16. **0** The capital letter J has 0 lines of symmetry.
17. **No** The letter N has 0 lines of symmetry, so the answer is No.
18. **6** A regular hexagon has 6 lines of symmetry.