

Subject: Maths

Class: 3

Topic: Symmetry

Levels: Basic, Intermediate, Advanced

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**Level: Basic**

1. Does a butterfly have a line of symmetry? (Yes/No) \_\_\_\_\_
2. How many lines of symmetry does a square ▲ have? \_\_\_\_\_
3. Which letter is symmetrical? ( F / A ) \_\_\_\_\_
4. Draw the line of symmetry for this sun: ☀
5. True or False: A circle has only one line of symmetry. \_\_\_\_\_
6. Is the number '8' symmetrical? \_\_\_\_\_
7. Draw the other half of this symmetrical flower: 🌸
8. Which shape can be folded into two equal halves? (Triangle / 'L' shape)
9. Can we draw a vertical line of symmetry through the letter 'M'? (Yes/No)
10. Rahul cut a paper heart ♥. Is it a symmetrical shape? \_\_\_\_\_

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## Level: Intermediate

1. Draw a horizontal line of symmetry through the letter 'H'.
2. Which of these Indian Rangoli shapes is symmetrical? ( ● / ▲ / ★ )
3. How many lines of symmetry does a rectangle have? \_\_\_\_\_
4. If you place a mirror on the dotted line of 'B', will it look the same?
5. Identify the symmetrical fruit: ( Apple / Banana ) \_\_\_\_\_
6. Does a kite (Kite shape) have a vertical line of symmetry? \_\_\_\_\_
7. List two letters of the alphabet that have NO line of symmetry.
8. Draw a line of symmetry through this cloud: ☁
9. Is the digit '3' symmetrical horizontally? \_\_\_\_\_
10. Draw a shape that has exactly TWO lines of symmetry: \_\_\_\_\_

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### Level: Advanced

1. If a shape has 4 equal sides and 4 lines of symmetry, what is it? \_\_\_\_\_
2. Can a human face be considered symmetrical? Why? \_\_\_\_\_
3. Draw a line of symmetry through this mathematical symbol:  $\pi$
4. Which letter has both horizontal and vertical symmetry? ( X / Y / Z )
5. If you fold a paper twice and cut a hole, how many holes appear? \_\_\_\_\_
6. Is the symbol '2' symmetrical? Explain. \_\_\_\_\_
7. Draw a symmetrical pattern using ★ and ● symbols.
8. Challenge: Does the word 'WOW' look the same in a mirror? \_\_\_\_\_
9. How many lines of symmetry does a regular Pentagon have? \_\_\_\_\_
10. Draw a Rangoli design that has more than 4 lines of symmetry. ✿