

Mirror Halves

Understanding Notes

- A mirror half means one part of a shape that looks exactly like the other part when placed in front of a mirror.
- The two mirror halves are identical in shape and size but face opposite directions.
- A line that divides the shape into mirror halves is called the line of symmetry.
- If we fold the shape along this line, both halves will match exactly.
- Mirror halves help us understand symmetry and balanced designs.
- Many objects, letters, and shapes in real life have mirror halves.



Example: (Easy – Mirror halves in alphabet)

- The letter M has a vertical line of symmetry
- Both sides look the same and are mirror halves

Answer = M has mirror halves

Example: (Easy – Mirror halves in shape)

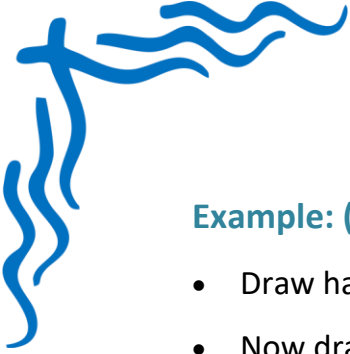
- A square can be divided into two equal mirror halves vertically
- Both sides are the same

Answer = Square has mirror halves

Example: (Moderate – Mirror halves in daily object)

- A butterfly has mirror halves along its body
- Both wings are the same in shape and pattern

Answer = Butterfly shows mirror halves



Example: (Moderate – Drawing missing mirror half)

- Draw half of a leaf on one side of a line
- Now draw the same shape on the other side as a mirror image
- Together, they form a full symmetrical leaf

Answer = A full leaf with mirror halves is drawn

Example: (Moderate – Identifying mirror halves)

- **Given shapes:** a circle, a triangle, and the letter P
- Circle can be divided into mirror halves
- Triangle can have mirror halves if it's equilateral
- P does not have mirror halves

Answer = Circle and triangle have mirror halves

Summary Points

- Mirror halves are two equal and opposite parts of a shape.
- The dividing line is called the line of symmetry.
- Mirror halves are used to learn about symmetry and balance.
- Many letters, shapes, and real-life objects show mirror halves.
- Drawing and folding are helpful to explore mirror halves easily.