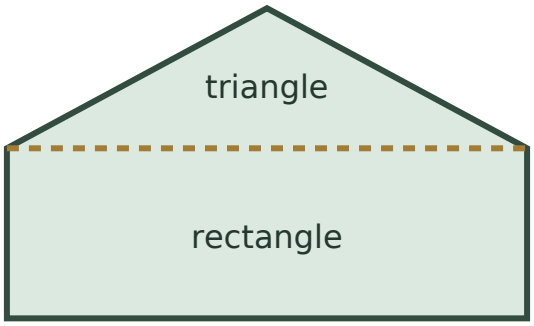
Composite shapes/objects

6 questions | 9 marks

Equivalent correct methods earn the corresponding marks.

1. Name the two component shapes shown in the house diagram. [1 mark]



The dashed line separates the three-sided roof from the rectangular body.

Answer: A triangle and a rectangle.

2. Two identical squares are joined along one full edge. Name the outside shape. [1 mark]

The shared edge is inside the combined shape.

Answer: A rectangle.

3. A toy is made from one cube body and one pyramid roof. Name its two solid pieces. [1 mark]

Both pieces have depth, so use solid names.

Answer: A cube and a pyramid.

4. Can a rectangle be split into two triangles? Describe a line that does this. [2 marks]

The diagonal divides the rectangle into two three-sided parts.

Answer: Yes. Draw a diagonal joining opposite corners.

5. A student calls a cylinder-and-cone tower “a circle and a triangle”. Explain what is missing. [2 marks]

The tower has depth.

Answer: The names describe flat shapes, not the solid pieces. Use cylinder and cone.

6. Draw one composite shape made from two rectangles. Show the join. [2 marks]

The two rectangles touch along an edge without overlapping. Other valid drawings are possible.

Answer: One valid answer is an L-shape made from a tall rectangle and a shorter rectangle beside its bottom.