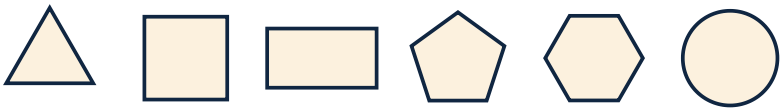
2D shapes and 3D objects

Name: _____ **Date:** _____

REMEMBER: A **2D shape** is flat (length and width); a **3D object** also has thickness, so you can hold it. We name shapes by their **sides** and corners, and objects by their **faces**. A line of symmetry splits a shape into two halves that fit exactly.

Look at shapes A to F.



1. What is the name of shape **A**?
Answer: _____

2. What is the name of shape **D**?
Answer: _____

3. What is the name of shape **E**?
Answer: _____

4. How many sides does a hexagon have?
Answer: _____

5. Which **two** shapes (A–F) have four right angles?
Answer: _____

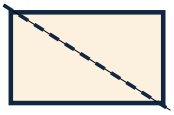
6. How many lines of symmetry does the square (B) have?
Answer: _____

7. Is the dotted line a line of symmetry? Write yes or no.



Answer: _____

8. Is the dotted line a line of symmetry? Write yes or no.



Answer: _____



9. What is the name of object **G**?
Answer: _____

10. What is the name of object **H**?
Answer: _____

11. What is the name of object **I**?
Answer: _____

12. How many faces does a cube have?
Answer: _____

13. Which object (G–J) has only a curved surface and no flat faces?
Answer: _____

14. How many triangular faces does the square-based pyramid (I) have?
Answer: _____

15. A cereal box has 6 flat faces. Every face is a rectangle, and they are not all the same size. Which 3D object is it?
Answer: _____

I got _____ out of 15 ☆☆☆

Explained step by step: meerkatskool.co.za
Scan the code for the free class on this topic.

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2D shapes and 3D objects – Memorandum

Show your child the steps – not just the answer.

1. **triangle**
   3 straight sides

2. **pentagon**
   5 straight sides

3. **hexagon**
   6 straight sides

4. **6**
   "Hexa" means 6: 6 sides and 6 corners

5. **B and C**
   The square and the rectangle each have 4 right angles

6. **4**
   2 straight (up and down, left and right) + 2 diagonals

7. **Yes**
   Fold on the line: the two halves fit exactly

8. **No**
   Fold on the diagonal: the corners stick out, the halves do not fit

9. **cube**
   6 square faces that are all the same size

10. **cylinder**
    2 flat circles and a curved surface

11. **square-based pyramid**
    a square base with triangles that meet in a point at the top

12. **6**
    Top, bottom, front, back, left, right = 6

13. **J (the sphere)**
    The cylinder (H) also has 2 flat faces; only the sphere is round all over

14. **4**
    One triangle on each side of the square: 4 sides → 4 triangles

15. **rectangular prism**
    All 6 faces are rectangles → rectangular prism (not a cube, because the faces are not all squares)

Stars: 8 right = 1 star · 12 right = 2 stars · 15 right = 3 stars ☆☆☆

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