

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

1. Name the 3D shape that looks like a dice.
2. How many flat faces does a cube have?
3. How many edges does a cube have?
4. A cereal box is a rectangular prism (cuboid). How many faces does it have?
5. How many edges does a rectangular prism (cuboid) have?
6. Name the 3D shape that has two circular faces and one curved surface (like a can).
7. How many flat/circular faces does a cylinder have?
8. How many edges does a cylinder have (count only straight-line edges)?
9. Name the 3D shape that has one circular base and comes to a point (like an ice-cream cone).
10. How many flat/circular faces does a cone have?
11. How many edges does a cone have (count only straight-line edges)?
12. Which 3D shape has exactly 4 faces and each face is a triangle?
13. How many edges does a tetrahedron (triangular pyramid) have?
14. Name the 3D shape with 5 faces: two parallel triangles and three rectangles.
15. How many edges does a triangular prism have?
16. A pyramid with a square base is used as a souvenir. How many faces does it have?
17. How many edges does a square pyramid have?
18. Which 3D shape best describes a round ball?
19. How many faces and how many edges does a sphere have?
20. A house-shaped toy has a rectangular base and a triangular roof (a triangular prism). How many faces does a triangular prism have?
21. A matchbox is shaped like a rectangular prism. How many vertices (corners) does it have? (extra recognition of structure)
22. Which solid has 6 faces, 12 edges and 8 vertices?
23. Which solid has 5 faces and 8 edges (name the common one with a square base)?
24. What 3D shape has 7 faces – two pentagons and five rectangles?
25. How many edges does a pentagonal prism have?
26. A traffic cone is shaped like a cone. If you count faces and edges, what are the counts?
27. Which shape has more edges: a triangular prism or a square pyramid?
28. How many faces does a hexagonal prism have?
29. How many edges does a hexagonal prism have?
30. A toy block is a cube of side 2 cm. How many faces does the toy block have?
31. A bookshelf box is a cuboid. If you describe it to a friend, how many faces and edges would you say it has?



Math Worksheet for 6th Grade

Geometric solids (3D shapes)

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32. Which 3D shape has four triangular faces, four vertices, and six edges?
33. A closed soda can is a cylinder. How many circular faces does it have? How many straight edges?
34. A tent is shaped like a triangular pyramid. How many faces will the tent have?
35. You have a solid with 5 faces and 9 edges. Name the solid.
36. Which 3D shape has exactly 2 faces?
37. How many edges does a cube and a rectangular prism each have? Are they the same or different?
38. A pen lid is shaped roughly like a cone. How many vertices does a cone have?
39. A solid has 8 vertices, 12 edges, and 6 faces. Which solid is it?
40. Which solid has exactly 0 faces and 0 edges?
41. How many faces does a triangular pyramid (tetrahedron) have?
42. How many edges does a tetrahedron have?
43. A candle is shaped like a cylinder. If you paint only the circular tops (both ends), how many faces are you painting?
44. Name a real-world object that is a triangular prism.
45. Name a real-world object that is a cylinder.
46. Which prism has 10 vertices?
47. A solid has 18 edges and 8 faces. Which prism is it?
48. A gift box is cube-shaped. If you count the edges, how many are there on the box?
49. A school roof shaped like a triangular prism: how many rectangular side faces does it have?
50. A solid has 4 faces and 6 edges. What is it called?