Name: Due Date: Teacher: Parent Sign:

Questions

1. How many faces does a cube have?

2. How many edges does a cube have?

3. How many faces does a rectangular prism (cuboid) have?

4. How many edges does a rectangular prism have?

5. How many faces does a triangular prism have?

6. How many edges does a triangular prism have?

7. How many faces does a square pyramid have?

8. How many edges does a square pyramid have?

9. How many faces does a tetrahedron (triangular pyramid) have?

10. How many edges does a tetrahedron have?

11. How many flat faces does a cylinder have?

12. How many flat faces does a cone have?

13. How many faces does a sphere have?

14. How many faces does a pentagonal prism have?

15. How many edges does a pentagonal prism have?

16. How many faces does a hexagonal prism have?

17. How many edges does a hexagonal prism have?

18. How many faces does an octahedron have?

19. How many edges does an octahedron have?

20. Name the 3D shape that has 6 equal square faces.

21. Name the 3D shape that has 2 triangular faces and 3 rectangular faces.

22. Name the 3D shape that has 1 square base and 4 triangular faces.

23. Which 3D shape has 2 circular faces and a curved surface?

24. Which 3D shape has 1 circular face and a pointed top?

25. A cube has 6 faces and 12 edges. What is the total number of faces and edges?

26. A triangular prism has 5 faces and 9 edges. What is the total number of faces and edges?

27. How many more edges than faces does a cube have?

28. How many more edges than faces does a tetrahedron have?

29. What is the sum of faces and edges of a square pyramid?

30. A pentagonal prism has 7 faces and 15 edges. What is the total of faces plus edges?

31. Which shape has 0 faces and 0 edges and is perfectly round?

32. How many faces does a rectangular box (with 6 sides) have?

33. How many edges are on a triangular pyramid?

34. A hexagonal prism has 8 faces. How many of those faces are bases?

35. How many rectangular side (lateral) faces does a pentagonal prism have?

36. A cube has 12 edges. If you remove 4 edges, how many edges remain?

37. A triangular prism has 9 edges. If 3 edges are hidden, how many edges are visible?

38. How many faces does a prism with a square base have?

39. How many edges does a prism with a square base have?

40. How many flat faces plus edges does a cone have (count flat faces only and edges as 0)?

41. How many faces does a cuboid have if one face is removed?

42. A cube has 6 faces. If each face is painted a different color, how many painted faces are there?

43. A triangular prism has 5 faces. If two faces are shaded, how many unshaded faces remain?

44. How many lateral faces does a square pyramid have (excluding the base)?

45. How many lateral edges does a square pyramid have (edges connecting the base to the apex)?

46. How many base faces does a hexagonal prism have?

47. How many lateral faces does a hexagonal prism have?

48. A tetrahedron has 4 faces and 6 edges. What is the product of faces and edges?

49. A cube has 6 faces and a rectangular prism has 6 faces. What is the total number of faces of the two shapes together?

50. A cube has 12 edges and a hexagonal prism has 18 edges. How many edges do they have together?