Merit Tutoring

Year 2 Mathematics

3D Objects - Worksheet 43

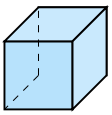
Naming 3D Objects

Name: _____ **Date:** _____

Section 1: Name the 3D Object (Fluency)

Look at each object. Circle or write the correct name.

Question 1: What is the name of this object?

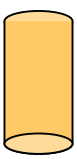


Circle the name: **Cube** **Cone** **Cylinder**

Question 2: What is the name of this object?

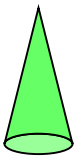
Answer: _____

Question 3: What is the name of this object?



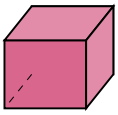
Circle the name: **Sphere** **Cylinder** **Cone**

Question 4: What is the name of this object?



Answer: _____

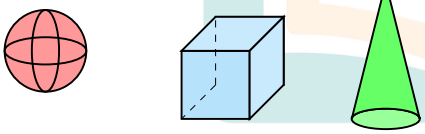
Question 5: What is the name of this object?



Answer: _____

Question 6: Circle the Cube:

A **B** **C**



Answer: _____

Object Observer Cube!

Why did the cube go to school? To improve its 3D-ucation!

Section 2: Real World Objects (Reasoning)

Match 3D objects to real-world items.

Question 7: Which 3D object looks like a tennis ball?

Answer: _____

Question 8: Which 3D object looks like a can of soft drink?

Answer: _____

Question 9: Which 3D object looks like a dice (die)?

Answer: _____

Question 10: Which 3D object looks like an ice cream cone?

Answer: _____

Question 11: Which 3D object looks like a cereal box?

Answer: _____

Question 12: Which 3D object looks like a basketball?

Answer: _____

Question 13: Circle the object that looks like a party hat:

Cube **Cone** **Sphere**

Real World Hero!

What is a sphere's favorite sport? BALL games - it's always rolling around!

Section 3: Properties - Roll or Slide? (Challenge)

Think about how these objects move.

Question 14: Does a Cube roll or slide?

Answer: _____

Question 15: Does a Sphere roll or slide?

Answer: _____

Question 16: Circle the object that has a point on top:
Cylinder **Cone**

Question 17: Can a Cylinder roll? Circle: YES NO

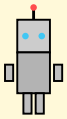
Question 18: True or False: A Sphere has corners.
Circle your answer: TRUE FALSE

Question 19: Which object can roll AND slide?
Cube **Cylinder** **Sphere**

Answer: _____

Question 20: Which of these objects has flat surfaces?

(Circle all that apply:) Cube, Sphere, Cylinder, Cone



3D Thinker Robot!

Why did the shapes build a robot? To show they can WORK TOGETHER!

Answer Key

Worksheet 43: Naming 3D Objects

Section 1: Name the 3D Object

1. **Cube** (the first option)
2. **Sphere**
3. **Cylinder** (the middle option)
4. **Cone**
5. **Rectangular Prism** (or just ”Prism”)
6. **B** (the cube is in position B)

Section 2: Real World Objects

7. **Sphere** (a tennis ball is round)
8. **Cylinder** (a can is cylindrical)
9. **Cube** (a die/dice is a cube)
10. **Cone** (ice cream cone)
11. **Rectangular Prism** (cereal box)
12. **Sphere** (basketball is round)
13. **Cone** (party hat is cone-shaped)

Section 3: Properties - Roll or Slide?

14. **Slide** (cubes have flat faces so they slide)

15. **Roll** (spheres are round so they roll)
16. **Cone** (cone has a pointed top)
17. **YES** (cylinders can roll on their curved surface)
18. **FALSE** (spheres have no corners)
19. **Cylinder** (can roll on curved surface and slide on flat ends)
20. **Cube, Cylinder, Cone** (all have at least one flat surface; sphere has no flat surfaces)

Year 2 Mathematics

3D Objects - Worksheet 44

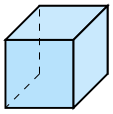
Features: Faces, Edges & Corners

Name: _____ **Date:** _____

Section 1: Counting Faces (Fluency)

Count the flat faces on each object. A face is a flat surface.

Question 1: How many flat faces does this Cube have?

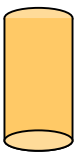


Answer: _____ faces

Question 2: Does a Sphere have any flat faces?

Circle your answer: YES NO

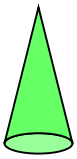
Question 3: How many flat faces does this Cylinder have?



Hint: Count the circles at the top and bottom.

Answer: _____ flat faces

Question 4: How many flat faces does a Cone have?

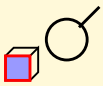


Answer: _____ flat face(s)

Question 5: True or False: A Rectangular Prism has 6 faces.
Circle your answer: TRUE FALSE

Question 6: Which object has NO flat faces?
Cube **Sphere** **Cylinder**

Answer: _____



Face Counter Champion!

Why did the cube love mirrors? Because it could see all SIX of its faces!

Section 2: Counting Corners (Reasoning)

Count the corners (vertices) on each object. A corner is where edges meet.

Question 7: How many corners does a Cube have?
Hint: Count the pointy bits where edges meet.

Answer: _____ corners

Question 8: How many corners does a Cylinder have?

Answer: _____ corners

Question 9: How many corners does a Cone have?
Hint: Just the pointy top!

Answer: _____ corner(s)

Question 10: Does a Sphere have any corners?
Circle your answer: YES NO

Question 11: Which object has the most corners?
Cube **Cone** **Cylinder**

Answer: _____

Question 12: True or False: A Rectangular Prism has 8 corners.

Circle your answer: TRUE FALSE

Corner Detective!

Why did the detective love cubes? Because they had EIGHT corners to investigate!

Section 3: Description Game (Challenge)

Read the clues and work out which 3D object is being described.

Question 13: I have 6 flat faces and all my faces are squares. What am I?

Answer: _____

Question 14: I have 1 curved surface and 2 flat circular faces. What am I?

Answer: _____

Question 15: I am perfectly round and have no faces, edges, or corners. What am I?

Answer: _____

Question 16: I have 1 flat face at the bottom and 1 point at the top. What am I?

Answer: _____

Question 17: I have 6 faces but they are not all squares. Some are rectangles. What am I?

Answer: _____

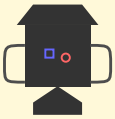
Question 18: I can roll in any direction. What am I?

Answer: _____

Question 19: I have 8 corners and 12 edges. All my faces are the same. What am I?

Answer: _____

Question 20: Match the description to the object:
”I look like a can of soup” = _____
”I look like a tissue box” = _____



Master of 3D Objects!

What is a monster’s favorite shape? A scream-CONE!

Answer Key

Worksheet 44: Features - Faces, Edges & Corners

Section 1: Counting Faces

1. **6 faces** (cube has 6 square faces)
2. **NO** (sphere has no flat faces, only a curved surface)
3. **2 flat faces** (top circle and bottom circle; the curved side is not a flat face)
4. **1 flat face** (the circular base; the pointed part is curved)
5. **TRUE** (rectangular prism has 6 faces, just like a cube)
6. **Sphere** (sphere has only a curved surface, no flat faces)

Section 2: Counting Corners

7. **8 corners** (cube has 8 vertices)
8. **0 corners** (cylinder has no pointed corners)
9. **1 corner** (cone has 1 vertex at the top point)
10. **NO** (sphere has no corners)
11. **Cube** (cube has 8 corners; cone has 1; cylinder has 0)
12. **TRUE** (rectangular prism has 8 corners/vertices)

Section 3: Description Game

13. **Cube** (6 square faces)

14. **Cylinder** (2 circular flat faces and 1 curved surface)
15. **Sphere** (perfectly round, no faces/edges/corners)
16. **Cone** (1 flat circular base and 1 point/apex at top)
17. **Rectangular Prism** (6 faces that are rectangles, not all squares)
18. **Sphere** (can roll in any direction because it's round)
19. **Cube** (8 corners, 12 edges, all faces are squares so they're all the same)
20. "I look like a can of soup" = **Cylinder**

    "I look like a tissue box" = **Rectangular Prism**

Fantastic Work, 3D Shape Experts!

You can name and describe 3D objects like a pro!