

Filling & Wrapping

3-D Shape Classification

Name Key

Period _____ Date _____



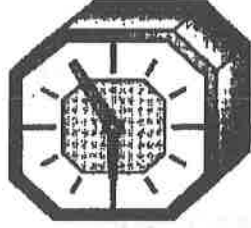
Classify the following 3-Dimensional shapes.

1.



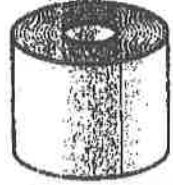
sphere

2.



octagonal prism

3.



cylinder

4.



triangular prism

5.



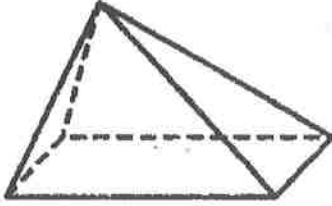
cone

6.



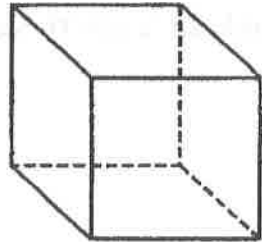
rectangular prism

7.



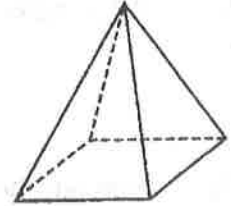
rectangular pyramid

8.



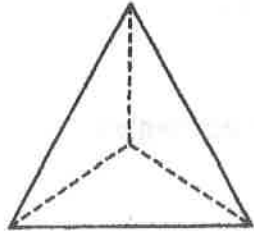
cube

9.



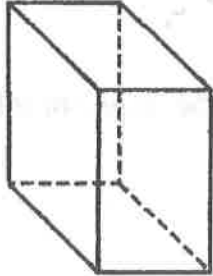
square pyramid

10.



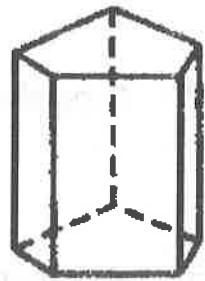
triangular pyramid

11.



rectangular prism

12.



pentagonal prism

Give the number of faces for each of the following 3-Dimensional shapes.

13. Triangular Prism

5

14. Rectangular Pyramid

5

15. Hexagonal Prism

8

15. Pentagonal Pyramid

6

Identify the solid by its description.

16. This solid has one circular base. Cone

17. This solid has two congruent bases and five total faces.

pentagonal prism
triangular

18. This solid has nine total faces, eight of them are triangles.

octagonal pyramid

Tell whether the statement is *true* or *false*. If it is false, explain why.

19. All pyramids have to include at least three triangles.

True

20. A prism has one base.

False - a prism has 2 bases.

21. A pentagonal pyramid is made of one pentagon and five rectangles.

~~True~~ False

triangles

22. Regardless of its base shape, a prism will have to include rectangles.

True

23. A heptagonal pyramid has nine faces.

False - 7 triangles + 1 heptagon = 8 faces