

Name \_\_\_\_\_

Date \_\_\_\_\_

Chapter 10 Practuce Test

**Write the correct answer.**

- 1) What part of a solid figure makes it a polyhedron?

\_\_\_\_\_

- 2) What is the difference between a pyramid and a prism?

\_\_\_\_\_

Use this group of figures.

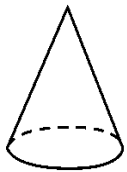


Figure A

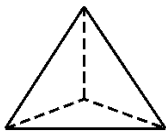


Figure B

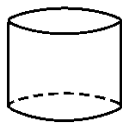


Figure C

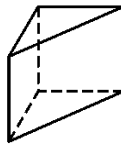


Figure D

- 3) Which figure is a cone?

\_\_\_\_\_

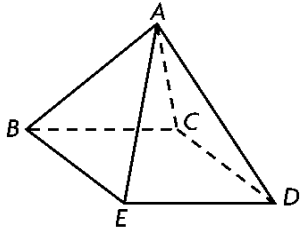
- 4) Which figure is a triangular prism?

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- 5) How many of these figures are polyhedrons?

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Use the figure below.



- 6) How many faces does this solid figure have?

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- 7) How many edges does this figure have?

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- 8) Name the vertex of this figure?

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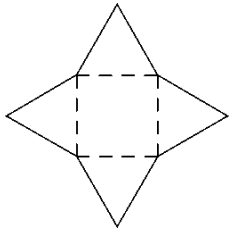
- 9) A piece of cheese is cut in the shape of a triangular prism. How many edges does it have?

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- 10) Horace built a rectangular prism, using toothpicks for edges and miniature marshmallows for vertices. How many marshmallows did he use?

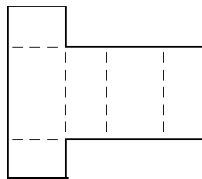
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- 11) What solid figure can you make from this net?



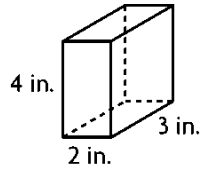
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- 12) What solid figure can you make from this net?



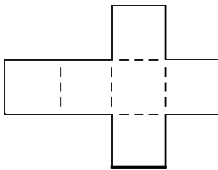
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- 13) How many faces of this prism have the dimensions 2 in.  $\times$  4 in.?



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- 14) What figure can you make from this net?

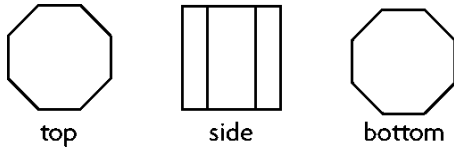


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- 15) A solid figure that has a circle as a bottom view and a triangle as a front view is a ?.

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16) What solid figure has these views?

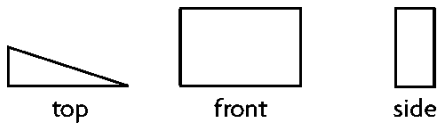


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17) The top, bottom, and side views of a solid figure are all squares. What kind of figure is it?

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18) What solid figure has these views?



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19) Jodie wants to make a paperweight by covering each face of an octagonal prism with a separate piece of wrapping paper. How many pieces will she use?

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- 20) Ian is making a model of a pyramid whose base has 12 sides. He is using sticks of wood for the edges and balls of putty for the vertices. How many sticks of wood will he need?
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- 1) **faces are all polygons**
- 2) **Pyramids have one base; prisms have two bases.**
- 3) **Figure A**
- 4) **Figure D**
- 5) **2 of them**
- 6) **5**
- 7) **8 edges**
- 8) **point D**
- 9) **9**
- 10) **8**
- 11) **Square Pyramid**
- 12) rectangular prism
- 13) **2**
- 14) **Cube**
- 15) **cone**
- 16) **Octagonal prism**
- 17) **cube**

18) **triangular prism**

19) **10**

20) **24**