



Warm-Up
Sept. 27, 2017



1. $20 \div 4$
5

4. 3×12
36

2. 7×30
210

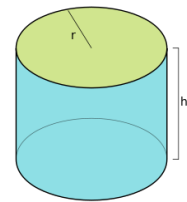
5. 45×2
90

3. 14.3×10
143

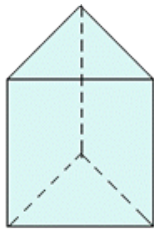
6. Explain how to find 80% of 70

Leave for Now

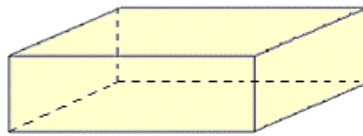
Unit 4



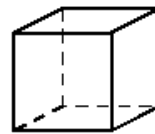
Measuring Prisms and Cylinders



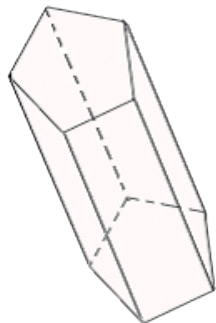
Triangular Prism



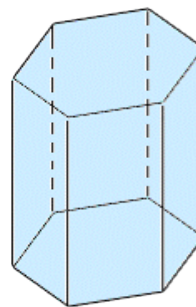
Rectangular Prism



Cube



Pentagonal Prism



Hexagonal Prism

Prisms

NAME EACH OF THESE PRISMS

PRISMS GET THEIR NAMES FROM THE SHAPES THEY ARE BASED ON

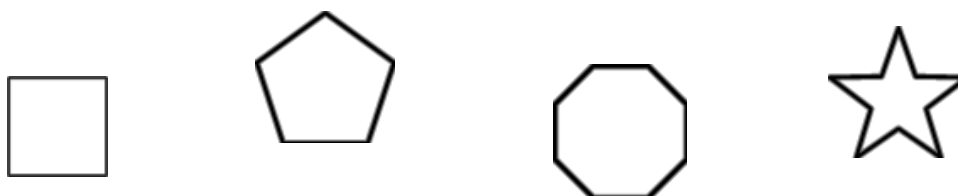
PRISMS HAVE TWO FACES THAT ARE THE SAME SHAPE

& ALL THE OTHER FACES ARE RECTANGLES

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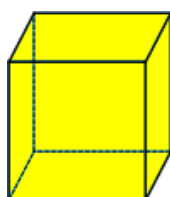
Draw and Construct Nets for 3D Objects.

Polygon - a closed shape that consists of line segments

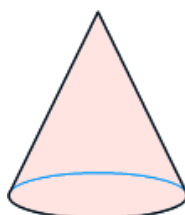


A regular polygon has all sides equal and all angles equal.

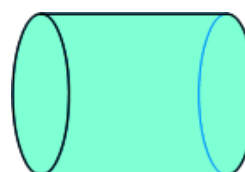
Polyhedron - an object with faces that are polygons



Face?

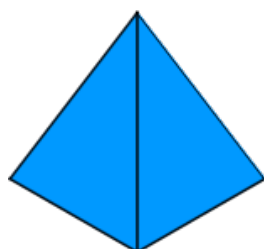


Face?

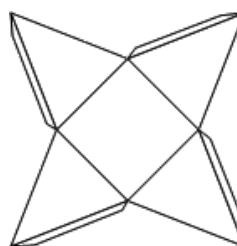


Face?

Net - is a 2D representation of a 3D object that can be folded to recreate the shape.



pyramid

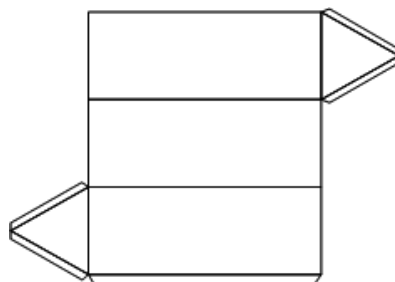
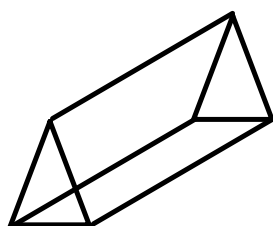


net of a pyramid

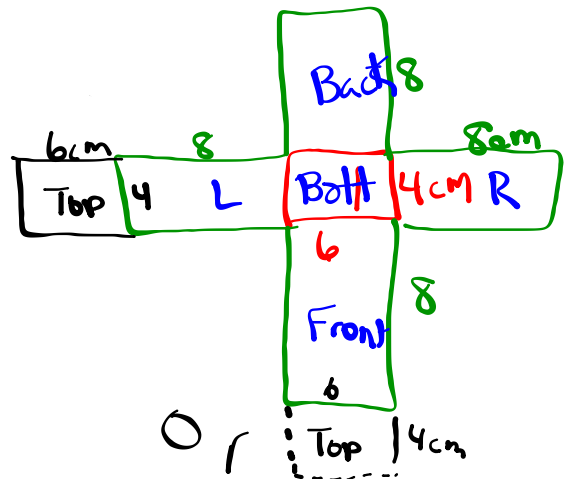
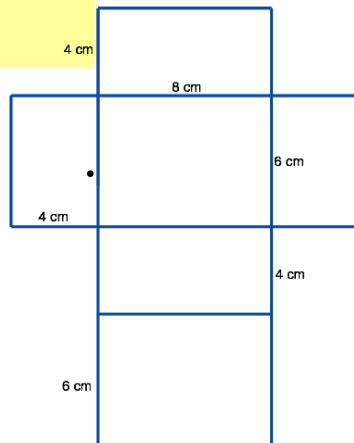
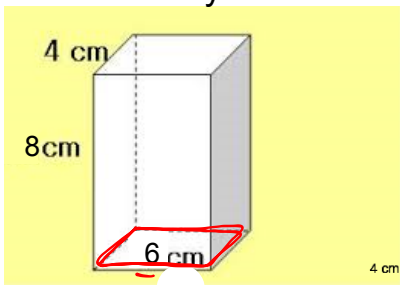
A net shows all of the faces of an object.

Two faces meet at an edge.

Three or more edges meet at a vertex.



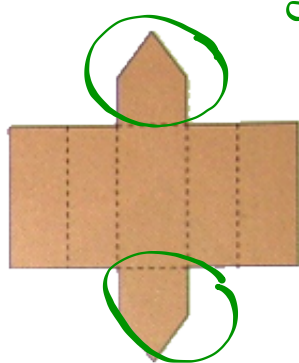
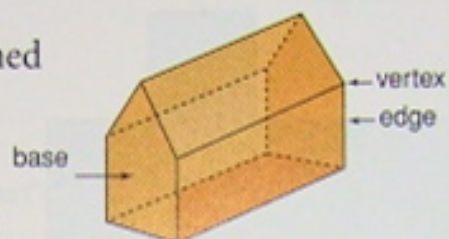
How many faces does the rectangular prism have? 6



- A *prism* has 2 congruent bases and is named for its bases.

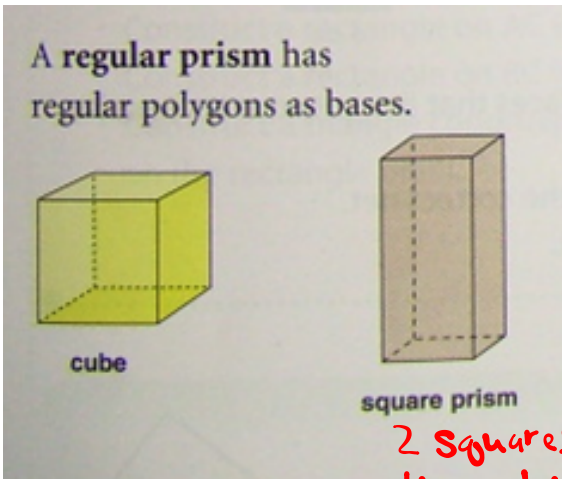
When all its faces, other than the bases, are rectangles and they are perpendicular to the bases, the prism is called a **right prism**.

Here is a right pentagonal prism and its net.

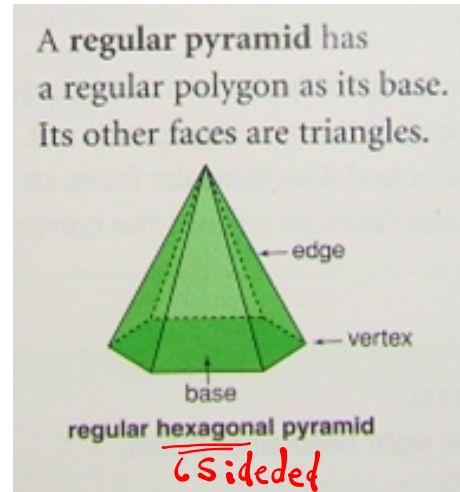


5 sides
Pentagon

Remember
A regular polygon has all sides equal and all angles equal.

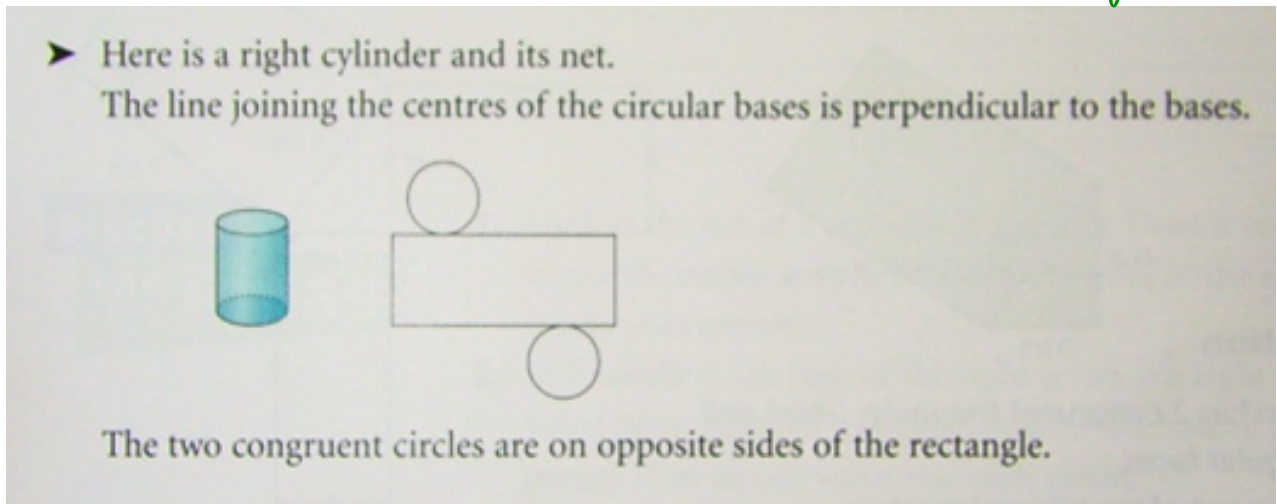


2 squares
4 rectangle



6 sided

1 hexagon
6 triangles



Which of the following diagrams is **not** the net of a cube?

