



Warm-Up
Oct. 3, 2016



1. $20 \div 4 = 5$

4. $3 \times 12 = 36$

2. $7 \times 30 = 210$

5. $45 \times 2 = 90$

3. 14.3×10
 143.0

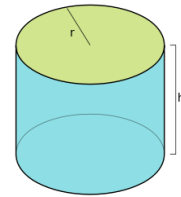
6. Explain how to find 80% of 70

$\frac{10}{100} = \frac{1}{10}$ of 70.
like! by 10

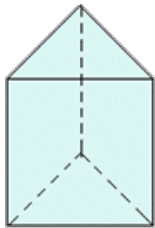
10% of 70 = 7

80% of 70 = 56

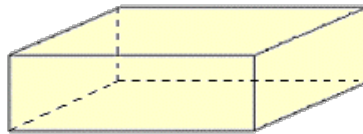
Unit 4



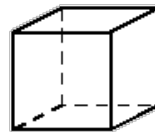
Measuring Prisms and Cylinders



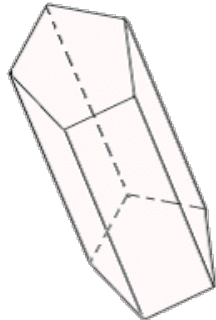
Triangular Prism



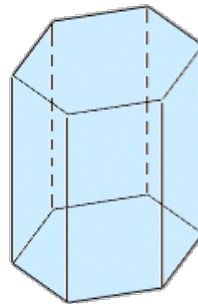
Rectangular Prism



Cube



Pentagonal Prism



Hexagonal Prism

Prisms

NAME EACH OF THESE PRISMS

PRISMS GET THEIR NAMES FROM THE SHAPES THEY ARE BASED ON

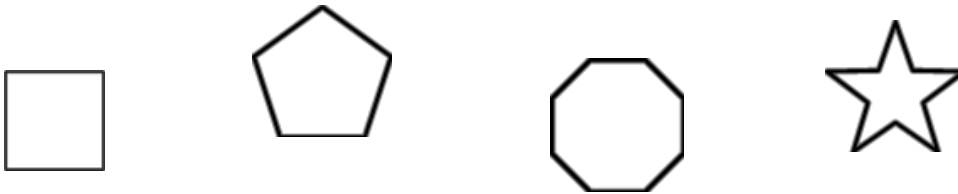
PRISMS HAVE TWO FACES THAT ARE THE SAME SHAPE

& ALL THE OTHER FACES ARE RECTANGLES

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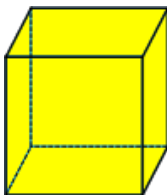
Draw and Construct Nets for 3D Objects.

Polygon - a closed shape that consists of line segments

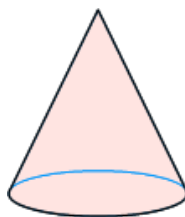


A regular polygon has all sides equal and all angles equal.

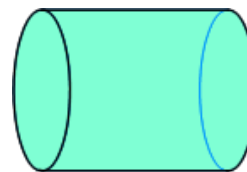
Polyhedron - an object with faces that are polygons



Face?

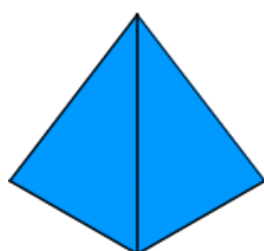


Face?

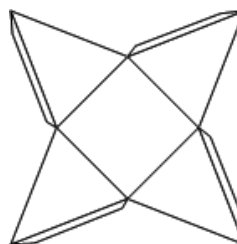


Face?

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



pyramid

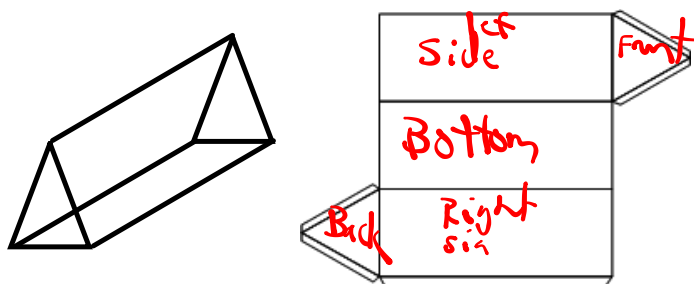


net of a pyramid

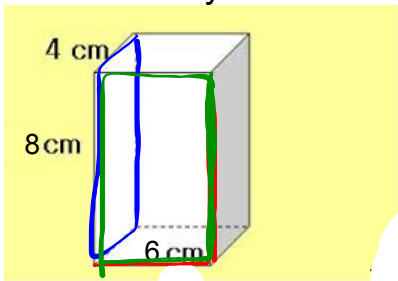
A net shows all of the faces of an object.

Two faces meet at an edge.

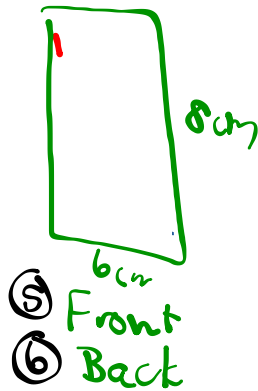
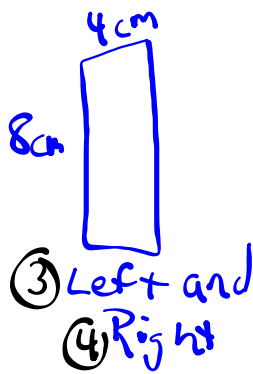
Three or more edges meet at a vertex.



How many faces does the rectangular prism have? 6



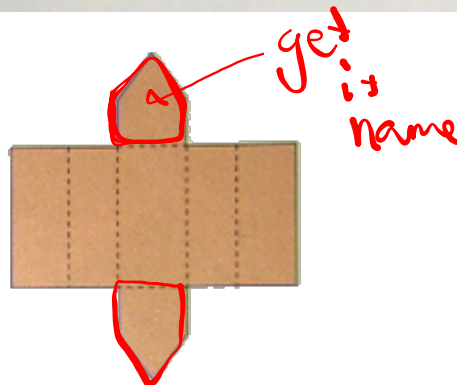
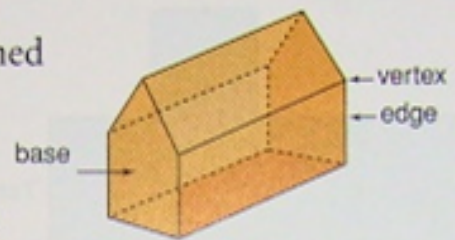
- ① Top and Bottom
- ②



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

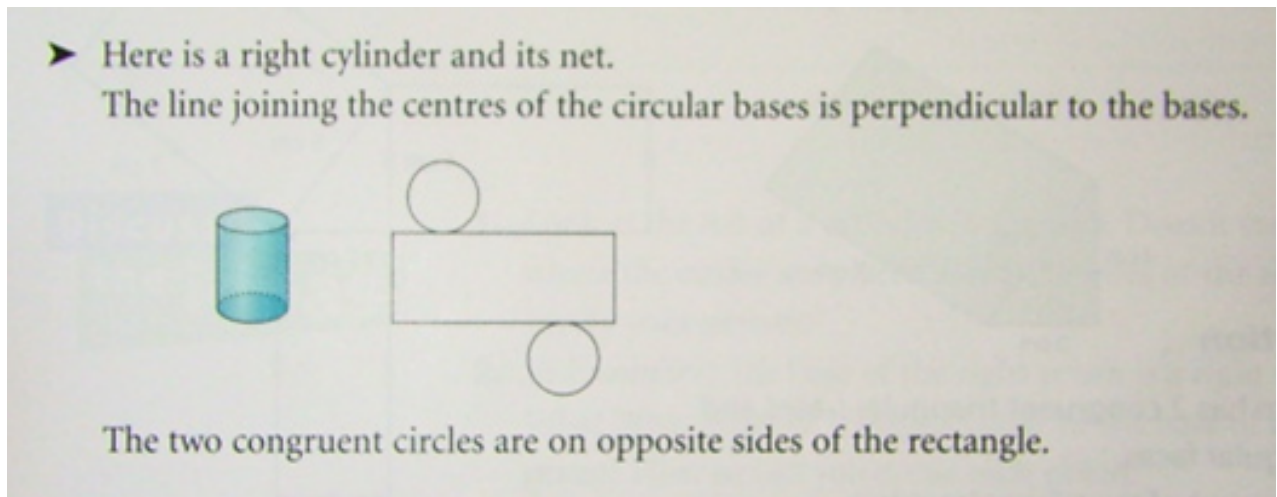
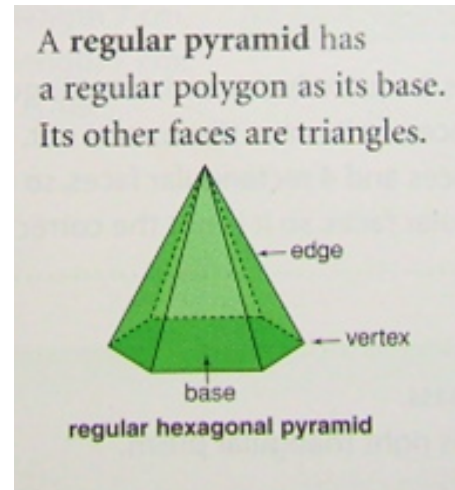
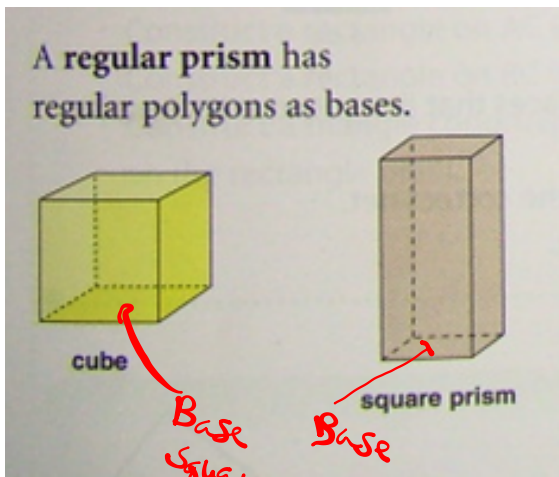
When all its faces, other than the bases, are rectangles and they are perpendicular to the bases, the prism is called a **right prism**.

Here is a right pentagonal prism and its net.

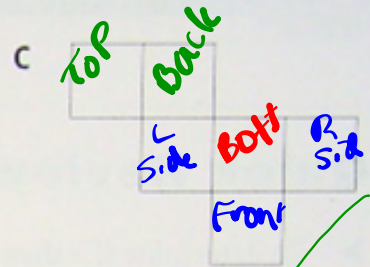
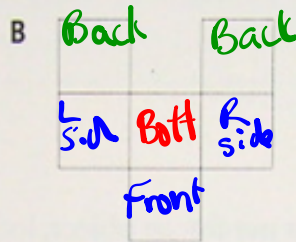
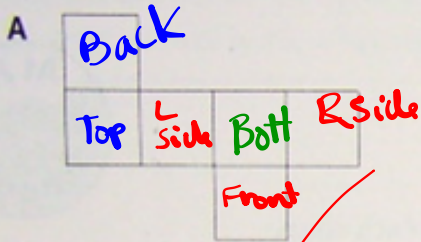


Remember

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



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

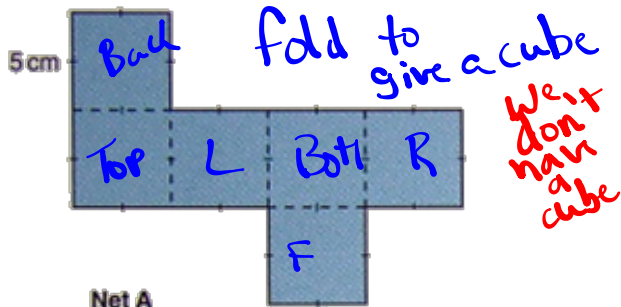
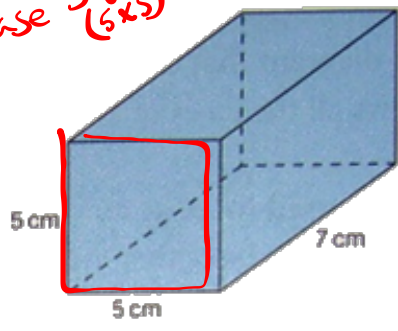


Overlap
of Back

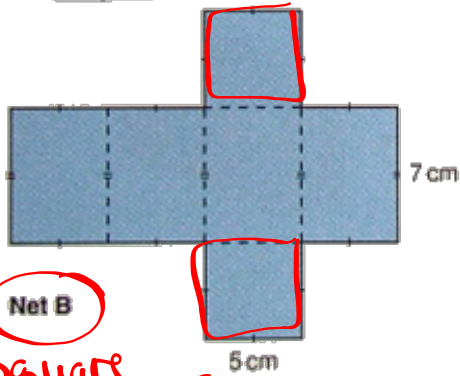
Hole in top
(No top)
Not Net

Which diagram is the net for this right square prism?

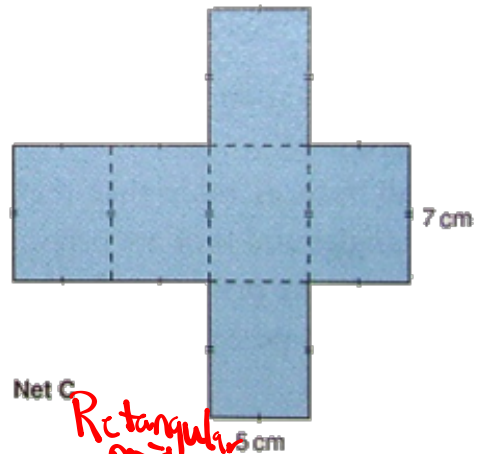
Base Square prism (5x5)



Net A
Cube



Net B
Square prism (B)

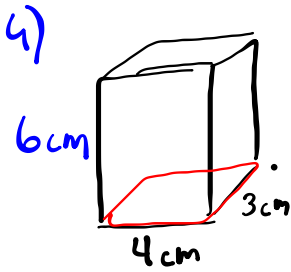


Net C
Rectangular prism

A Solution

Class/Homework

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Rectangular Prism

4, #5, #6

