



Warm-Up

Oct. 24, 2022



1. $20 \div 4$
5

4. 3×12
36

2. 7×30
210

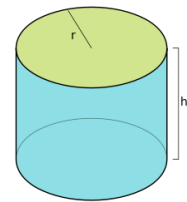
5. 45×2
90

3. 14.3×10
143

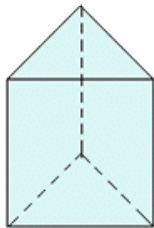
6. Explain how to find 80% of 70

10% of 70 = 7×8
 $\times 8$
 80% of 70 = **56**

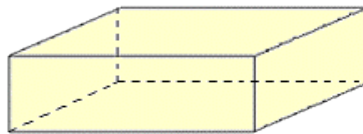
Unit 4



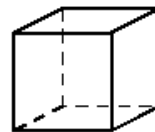
Measuring Prisms and Cylinders



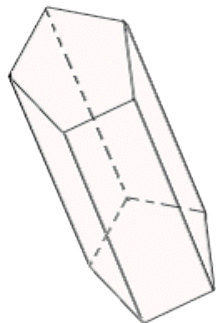
Triangular Prism



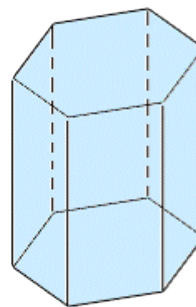
Rectangular Prism



Cube



Pentagonal Prism

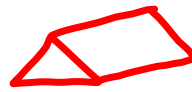


Hexagonal Prism

prism → have rectangle sides



Rectangular
prism



Triangular
Prism

pyramids → have triangle Side
→ come to one vertex



Prisms

NAME EACH OF THESE PRISMS

PRISMS GET THEIR NAMES FROM THE SHAPES THEY ARE BASED ON

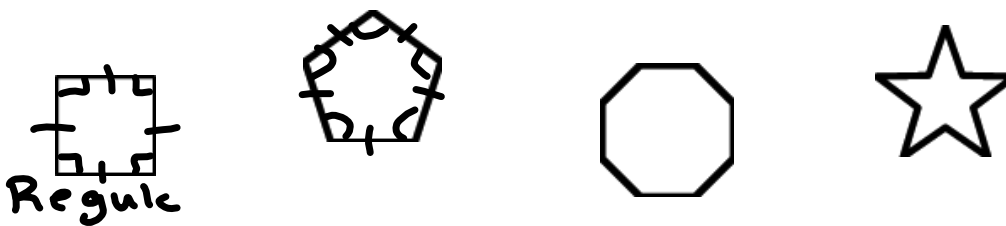
PRISMS HAVE TWO FACES THAT ARE THE SAME SHAPE

& ALL THE OTHER FACES ARE RECTANGLES

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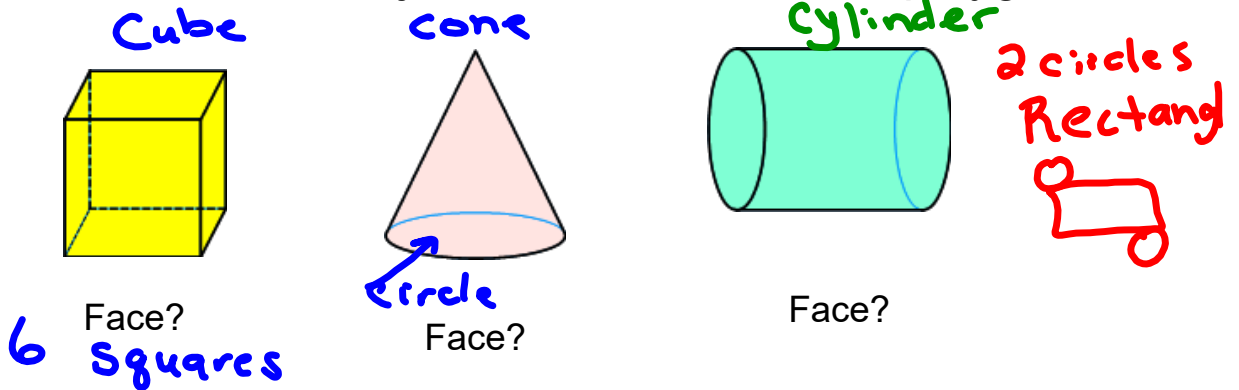
Draw and Construct Nets for 3D Objects.

Polygon - a closed shape that consists of line segments

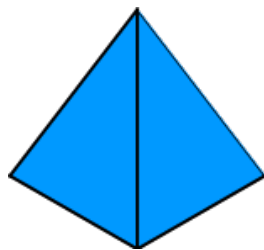


A regular polygon has all sides equal and all angles equal.

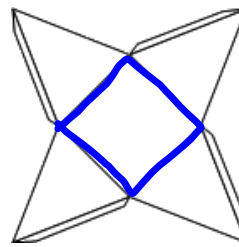
Polyhedron - an object with faces that are polygons



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



pyramid

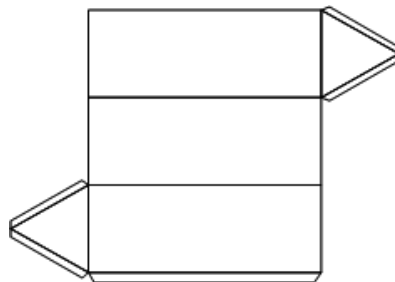
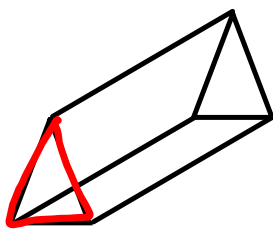


net of a pyramid

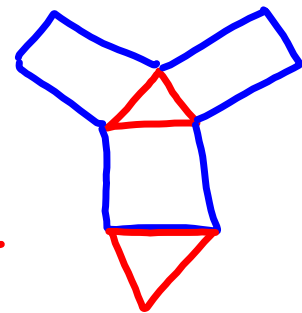
A net shows all of the faces of an object.

Two faces meet at an edge.

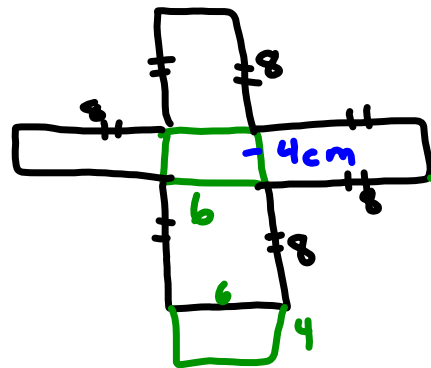
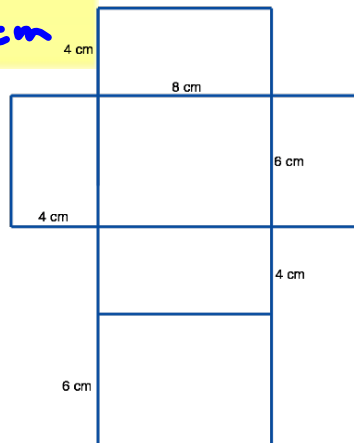
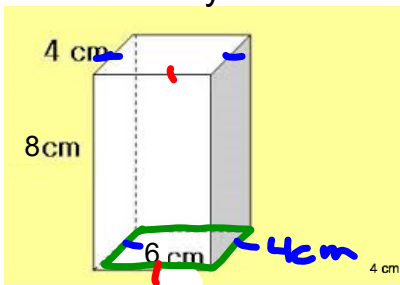
Three or more edges meet at a vertex.



or



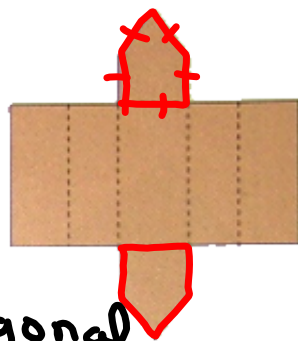
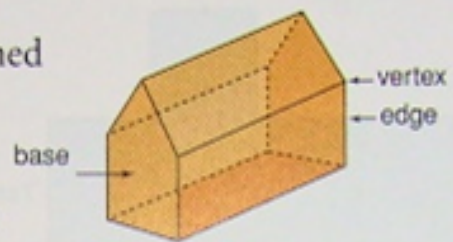
How many faces does the rectangular prism have? 6



► 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.



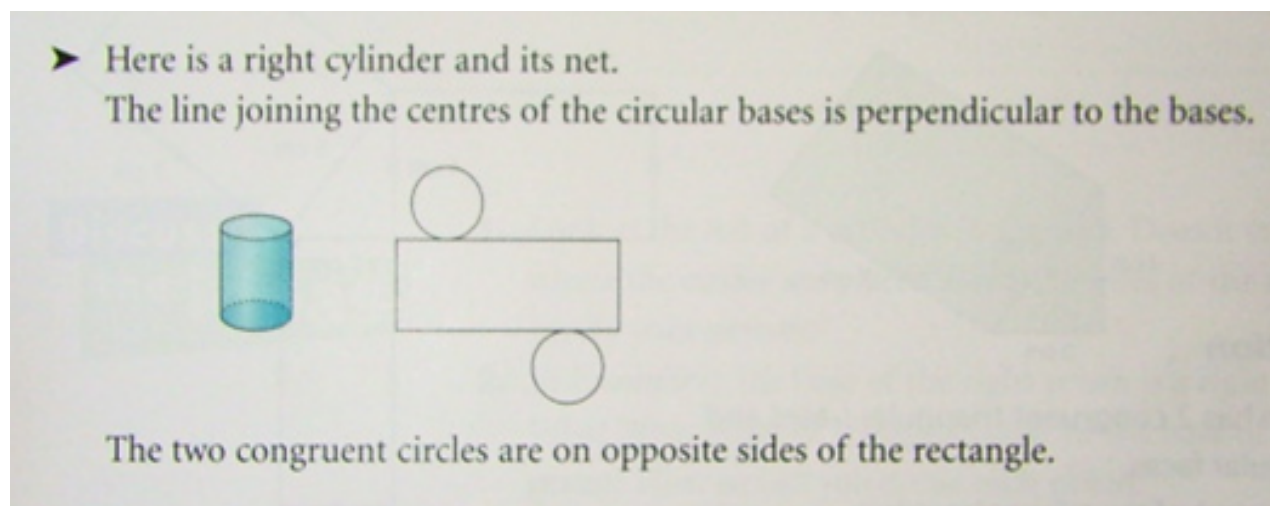
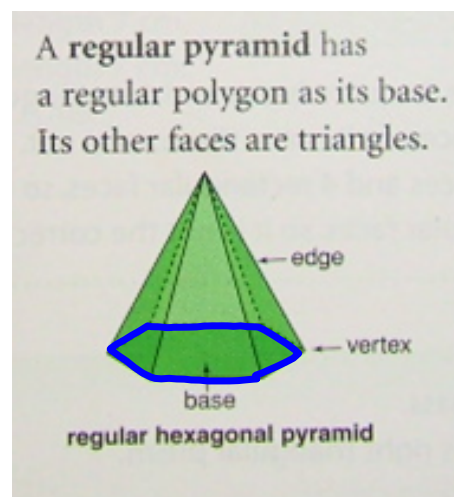
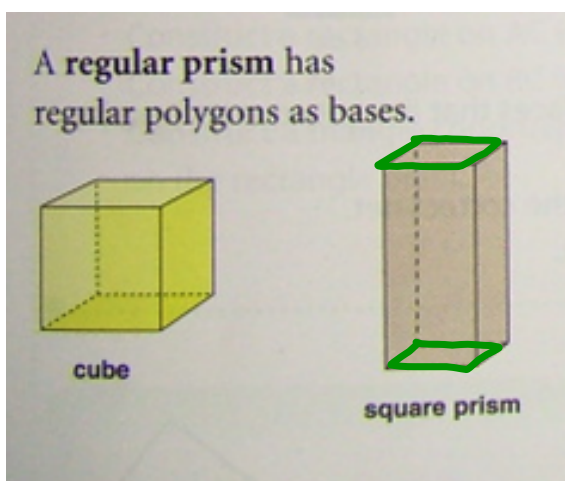
Pentagonal Prism

3 side → triangle
4 side → Rectangle
Square

5 side → pentagon
6 side → hexagon
7 side → heptagon
8 side → octagon
9 side → nonagon
10 side → decagon

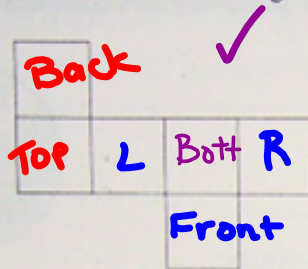
Remember

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



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

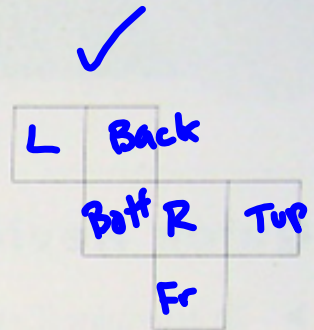
A



B



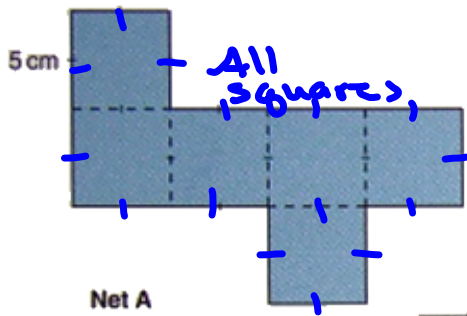
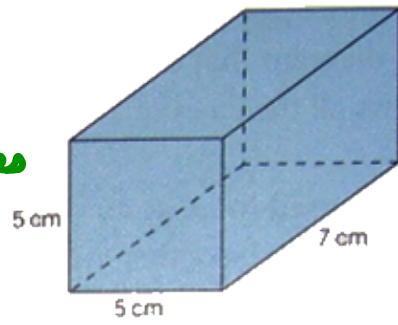
C



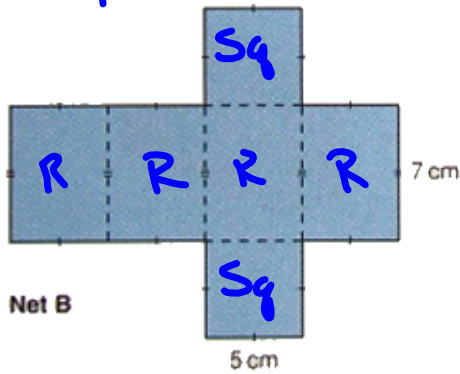
Which diagram is the net for this right square prism?

2 faces → Rectangle

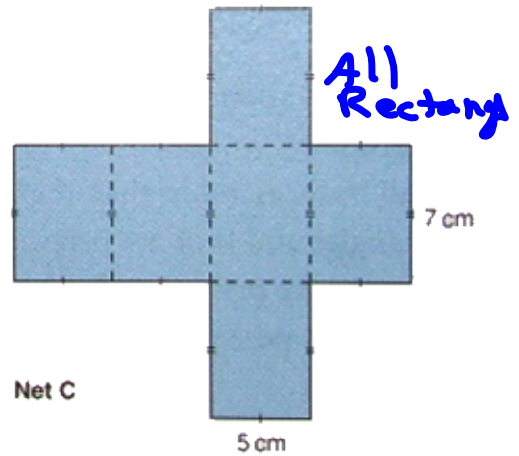
2 Squares
4 Rectangles



Net A



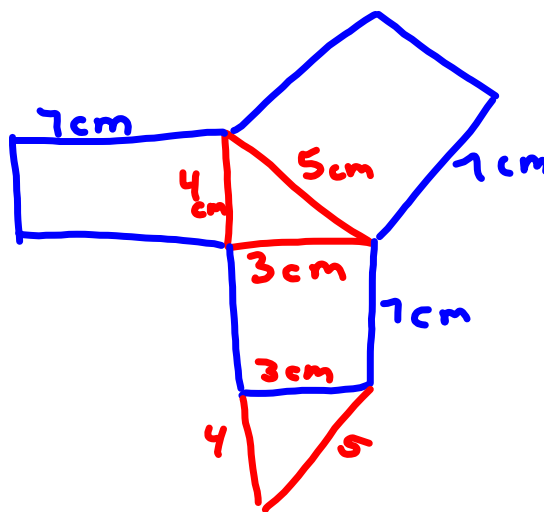
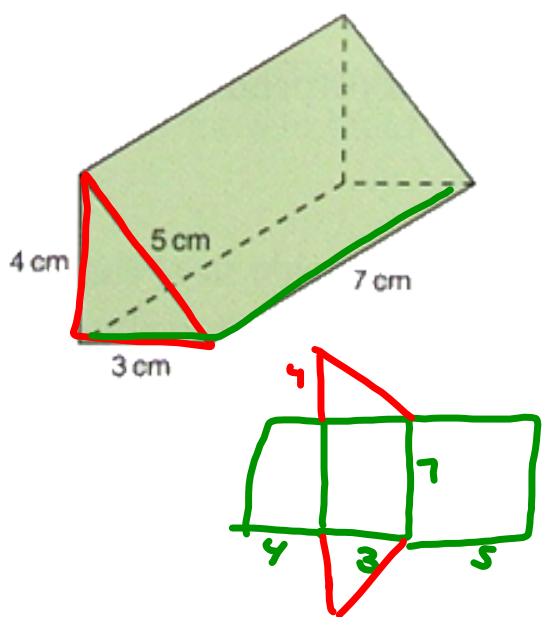
Net B



Net C

A Solution

Draw a net of this right triangular prism.



Hint: Start with the base face which is a _____

Class/Homework

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