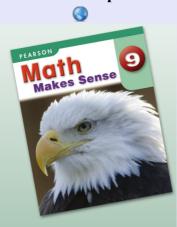


http://jmh.nbed.nb.ca/



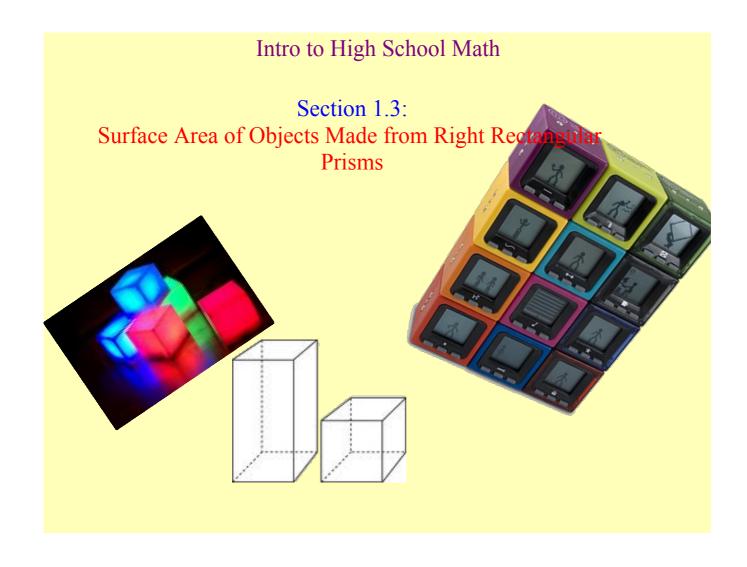
Text book link:

http://www.mathmakessense.ca/

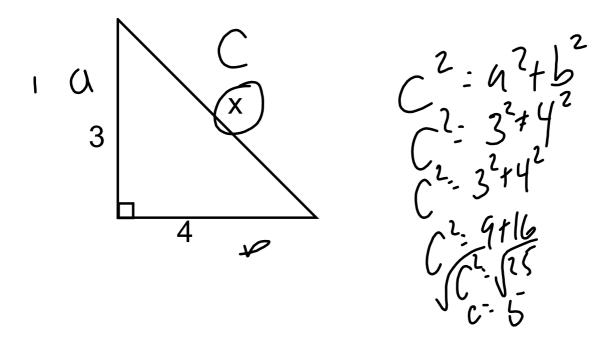


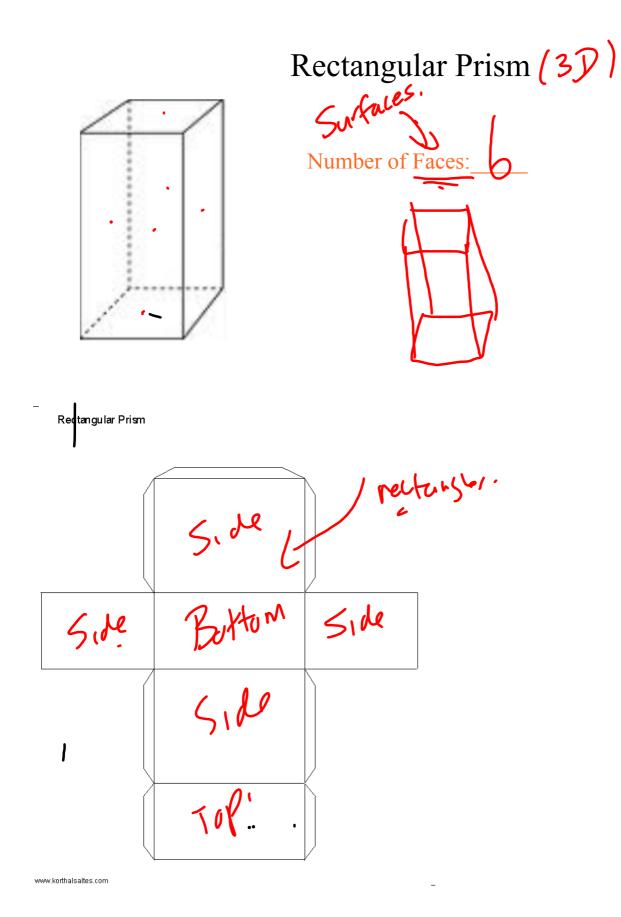
- click on web books "login"
- click on "Math Makes Sense 9"
- user name: jamesmhill_student

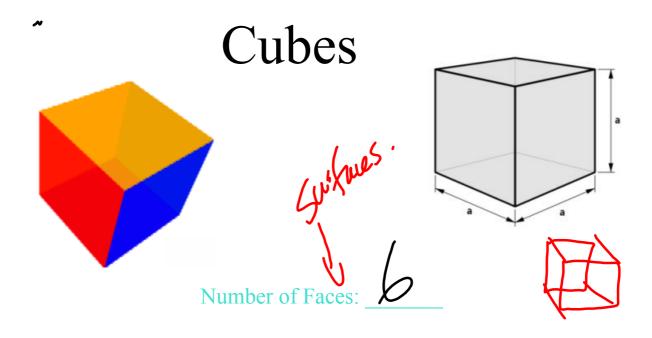
password: student2010



Problem of the Day Using Pythagorean theorem find the missing side (x) of this triangle. Not 12/14





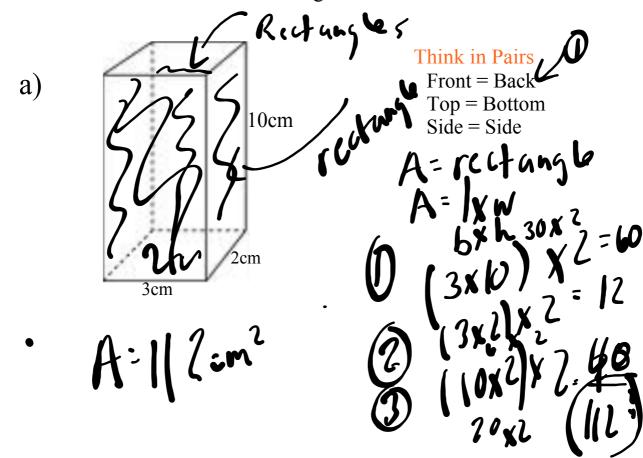


Surface Area

The surface area is the sum of all the areas of all the "shapes that cover the surface" of the object.

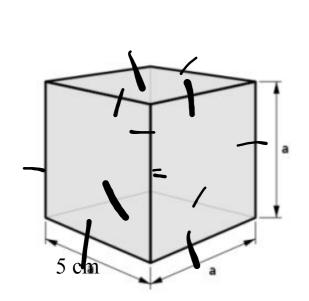


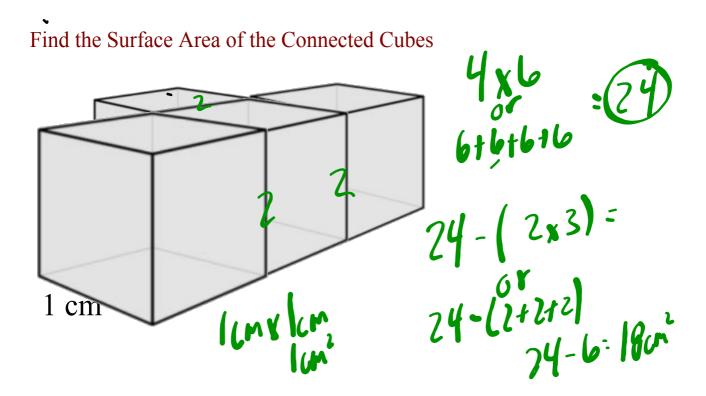
Find the Surface Area of The Rectangular Prism



Section_1.3_surface_are_of_prisms_&_connected.notebook

Find the Surface Area of the Following Cube:





Method 1 (Think Individually about each shape)

4 cubes connected

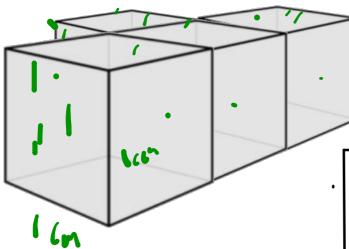
* each have 6 faces FIND THE AREA OF EACH FACE

BUT WHAT HAPPENS WHEN YOU JOIN FACES? Do you have to count where they join in "surface area"? NO

With every connected cube 2 faces disappear

3 overlaps so 6 faces disapear

Method 2: (Visualize the top/bottom, front/back, side/side)



How many faces do we see on the top?

How many faces do we see on the bottom?

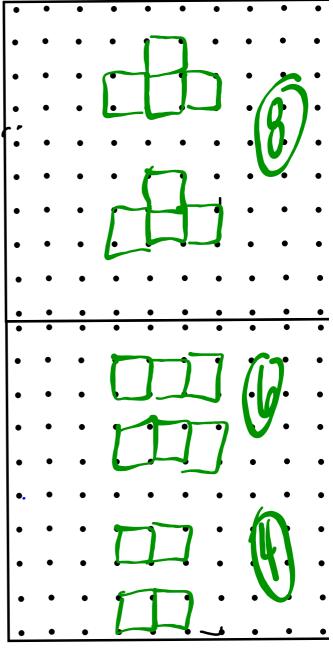


How many faces do we see on the front?

How many faces do we see on the back?

How many faces do we see on the left side?

How many faces do we see on the right side?



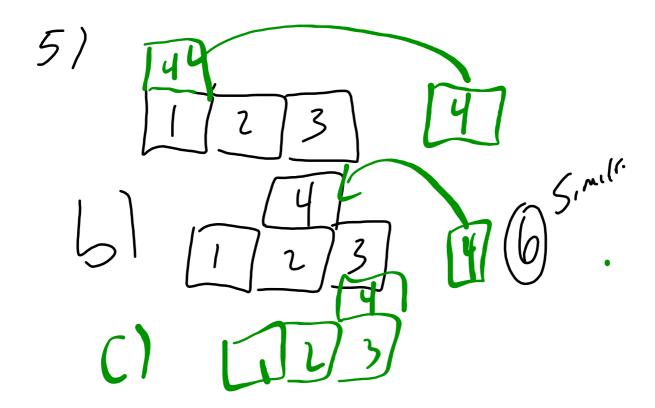


page 30 & 31

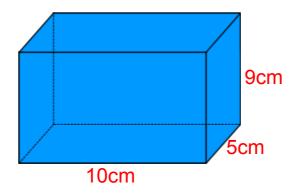
questions

4 to 7

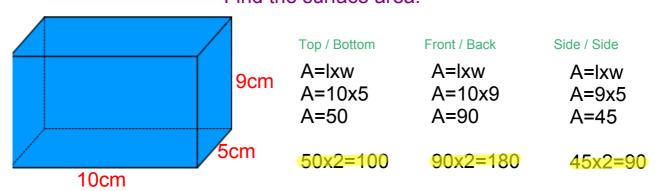
4 - 6.



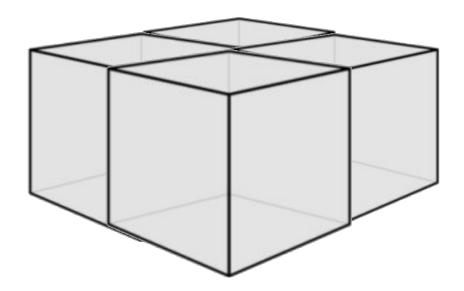
Find the surface area.



Find the surface area.



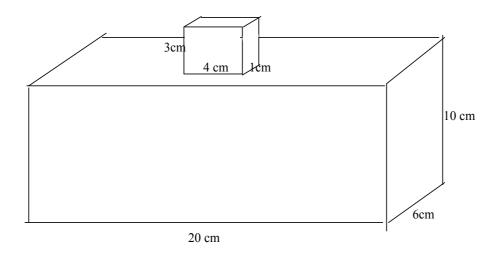
Total Surface Area 100+180+90 370cm² Find the Surface Area of This Composite Object. Each cube has edge length of 2 cm.

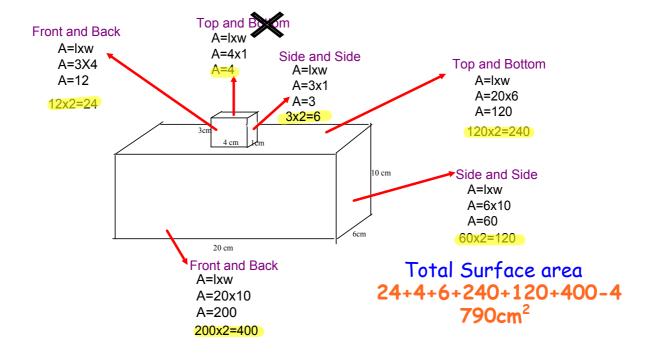


Determine the surface area of the composite object.

Assume you can pick the object up, but you can't take it apart.

What effect does the overlap have on the calculation of the surface area?



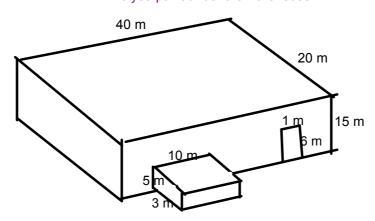


Find the area of the warehouse with the attached storage space.

You don't count the door!

(Think if you were going to paint this....How much paint is needed???)

Do you paint under the warehouse?





See Page 29 Example 3

Warehouse Question





Questions: 8a, b, c 10 11 Section_1.3_surface_are_of_prisms_&_connected.notebook