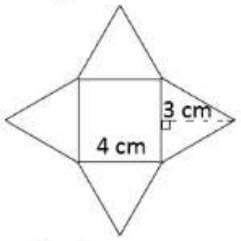
Surface Area Check – Show what you know! Name:_____

Put the skills you have learned this year to the test! The questions below will assess your ability to find the surface area of three-dimensional figures and your knowledge of 3D figures represented as nets. This worksheet is a great way to practice all of the skills you learned in this lesson.

Question 1

Carina is painting the outside of a square pyramid.

The net for the pyramid is shown below.



Enter the total surface area, in square centimeters, of the pyramid that Carina will paint.

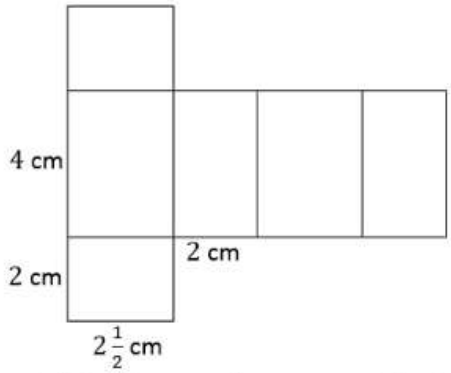
What is the total surface area? *

- ○ 34 square cm
- ○ 64 square cm
- ○ 40 square cm
- ○ there isn't enough information to solve this problem

Question 2

Aaron is painting the outside of a rectangular prism.

The net for the prism is shown below.



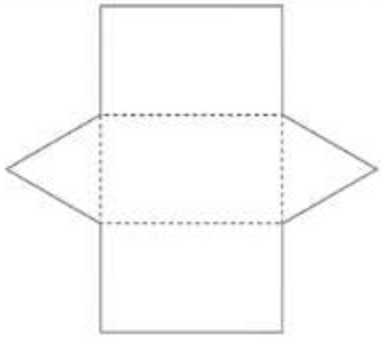
Enter the total surface area, in square centimeters, of the prism that Aaron will paint.

What is the total surface area?

- ○ 20 square units
- ○ 42 square units
- ○ 38 square units
- ○ 46 square units

Question 3

Crystal claims this net will fold to form a triangular prism.

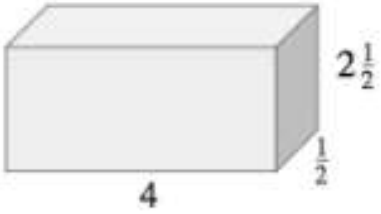


Is Crystal's statement correct?

- ◯ Yes, this net will fold to form a triangular prism.
- ◯ No, because this net will fold to form a rectangular pyramid.
- ◯ No, because there is not enough faces for the prism.
- ◯ No, because while there are the proper number of faces, but they are positioned incorrectly.
- ◯ No, because this net will fold to form a right rectangular prism.

Question 4

Examine the rectangular prism shown below.

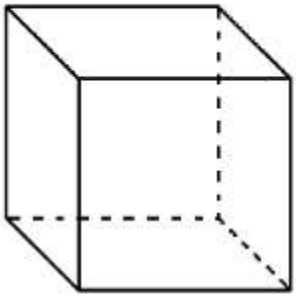


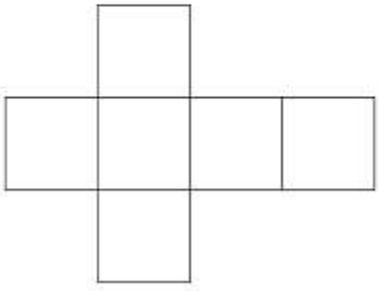
What is the surface area of the rectangular prism?

- ◯ A.) 10 square units
- ◯ B.) 22.5 square units
- ◯ C.) 26.5 square units
- ◯ D.) 30.75 square units

Question 5

Fernando claims that he can calculate the surface area of a cube by finding the area of one face and multiplying this by 6.





Is Fernando's statement correct?

- ◯ Yes, Fernando's method will work for calculating the surface area of all cubes.
- ◯ No, Fernando's method may work for one cube, but not for all cubes.