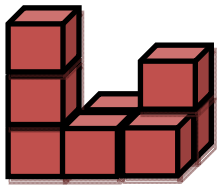
Name: _____ Date _____

Topic : Analyzing in 3D- Worksheet 1

Do the following:

1. There is a cuboids box with the length 4, width 2 and height 3. Now I will have to calculate the area of the box. So what will be the area?

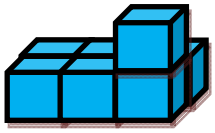
2. 

Assuming that blocks need not sit on top of one another, what is the minimum number of blocks in this stack?

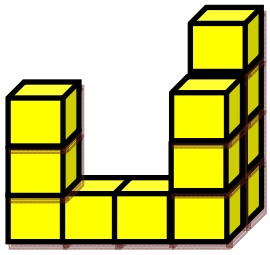
3.  

If this 2-dimensional figure is assembled, it will form 3-dimensional figure shown at right.

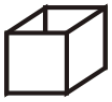
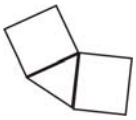
4. A spherical ball is 10 feet in diameter. Assuming 1 ft^3 = 0.85 oz, how much does the ball weigh?

5. 

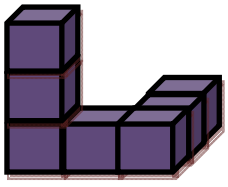
Assuming that blocks need not sit on top of one another, what is the minimum number of blocks in this stack?

6. 

Assuming that blocks need not sit on top of one another, what is the minimum number of blocks in this stack?

7.  

If this 2-dimensional figure is assembled, it will form 3-dimensional figure shown at right.

8. 

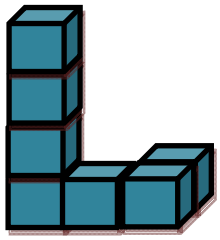
Assuming that blocks need not sit on top of one another, what is the minimum number of blocks in this stack?

Name: _____ Date _____

Topic : Analyzing in 3D- Worksheet 2

Do the following:

1. There is a cuboids box with the length 4, width 7 and height. Now I will have to calculate the area of the box. So what will be the area?

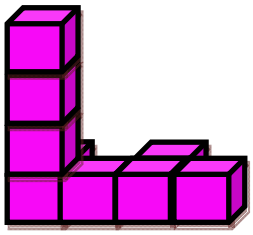
2. 

Assuming that blocks need not sit on top of one another, what is the minimum number of blocks in this stack?

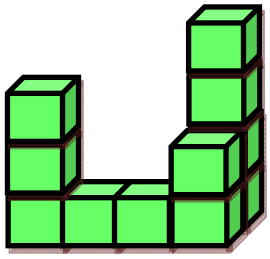
3.  

If this 2-dimensional figure is assembled, it will form 3-dimensional figure shown at right.

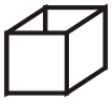
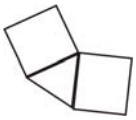
4. A spherical ball is 12 feet in diameter. Assuming 1 ft^3 = 0.55 oz, how much does the ball weigh?

5. 

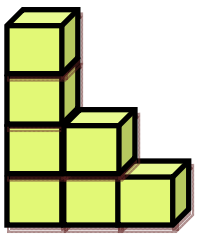
Assuming that blocks need not sit on top of one another, what is the minimum number of blocks in this stack?

6. 

Assuming that blocks need not sit on top of one another, what is the minimum number of blocks in this stack?

7.  

If this 2-dimensional figure is assembled, it will form 3-dimensional figure shown at right.

8. 

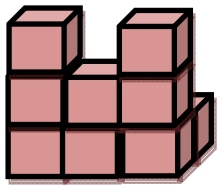
Assuming that blocks need not sit on top of one another, what is the minimum number of blocks in this stack?

Name: _____ Date _____

Topic : Analyzing in 3D- Worksheet 3

Do the following:

1. There is a cuboids box with the length 5, width 3 and height 9. Now I will have to calculate the area of the box. So what will be the area?

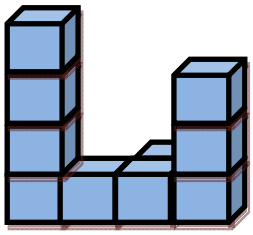
2. 

Assuming that blocks need not sit on top of one another, what is the minimum number of blocks in this stack?

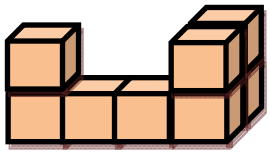
3. 

If this 2-dimensional figure is assembled, it will form 3-dimensional figure shown at right.

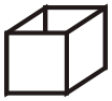
4. A spherical ball is 8 feet in diameter. Assuming 1 ft^3 = 0.84 oz, how much does the ball weigh?

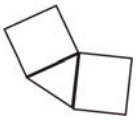
5. 

Assuming that blocks need not sit on top of one another, what is the minimum number of blocks in this stack?

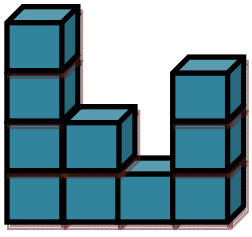
6. 

Assuming that blocks need not sit on top of one another, what is the minimum number of blocks in this stack?

7. 



If this 2-dimensional figure is assembled, it will form 3-dimensional figure shown at right.

8. 

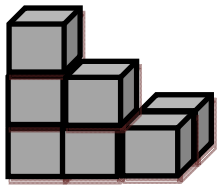
Assuming that blocks need not sit on top of one another, what is the minimum number of blocks in this stack?

Name: _____ Date _____

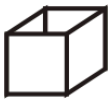
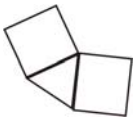
Topic : Analyzing in 3D- Worksheet 4

Do the following:

1. There is a cuboids box with the length 8, width 4 and height 3. Now I will have to calculate the area of the box. So what will be the area?

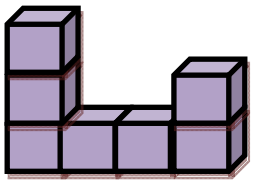
2. 

Assuming that blocks need not sit on top of one another, what is the minimum number of blocks in this stack?

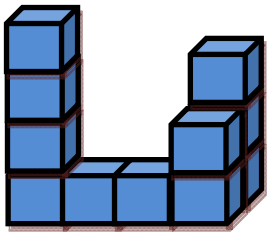
3.  

If this 2-dimensional figure is assembled, it will form 3-dimensional figure shown at right.

4. A spherical ball is 14 feet in diameter. Assuming 1 ft^3 = 0.95 oz, how much does the ball weigh?

5. 

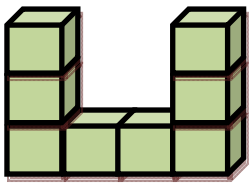
Assuming that blocks need not sit on top of one another, what is the minimum number of blocks in this stack?

6. 

Assuming that blocks need not sit on top of one another, what is the minimum number of blocks in this stack?

7.  

If this 2-dimensional figure is assembled, it will form 3-dimensional figure shown at right.

8. 

Assuming that blocks need not sit on top of one another, what is the minimum number of blocks in this stack?