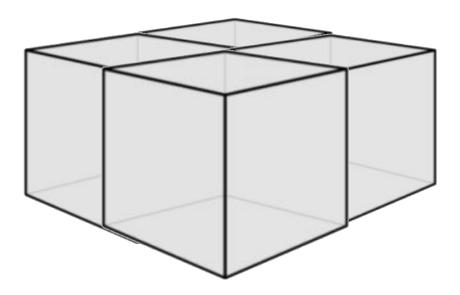


Warm Up Grade 9



Find the Surface Area of This Composite Object. Each cube has edge length of 2 cm.

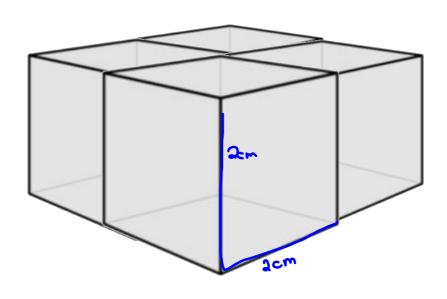




Warm Up Grade 9



Find the Surface Area of This Composite Object. Each cube has edge length of 2 cm.

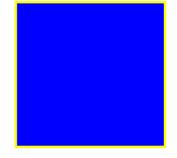


1 face

A = bxh

 $A = 2cm \times 2cm$

A=4 cm²



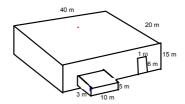
4 Cubes

Total number of faces = $6 \times 4 = 24$ faces

of overlaps = 4

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

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



Step 1) Calculate the sides of all of the larger prism,

So surface area of the storage space is:

Step 2) Storage space consist of 3 walls and a roof

So surface area of the storage space is:

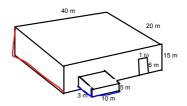
$$T_{SA} = SA$$
, $+ SA_2 - overlup - door$

$$= 2600 + 160 - 100 - 6$$

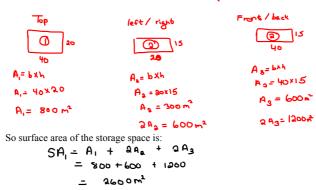
$$= 2654m^2$$

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

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



Step 1) Calculate the sides of all of the larger prism, (40n x 20n x 15m)



Step 2) Storage space consist of 3 walls and a roof (3m x lon x 5m)



So surface area of the storage space is:

$$= 160 \text{ w}_{3}$$

$$= 30 + 30 + 100$$

$$= 4 + 30^{9} + 54^{3}$$

$$\frac{\text{Over lap}}{\text{10}} = 50 \text{ m}^2$$

$$\text{QA} = 100 \text{ m}^2$$

$$\frac{\text{cloof}}{\prod_{i=1}^{n} G_{in}} A = \lim_{i \to \infty} \sum_{j=1}^{n} G_{in}$$

$$T_{SA} = SA$$
, $+ SA_2 - overlup - door$

$$= 2600 + 160 - 100 - 6$$



Warehouse Question



Class/ Homework

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Questions: 8 $4,5^{10}$

MUST SHOW ALL WORK