Name: _____

Date: Mar 1, 2022

Volume of Composite Figures

Directions: Use centimeter cubes to complete the activity.

Part A:

Partner A: Use one color cube to build a structure that is 3 cm by 2 cm by 2 cm.

Partner B: Use a different color to build a cube that is 2 cm long on every side.

Record the volume of your structures.

Volume of Prism A: 12

Volume of Prism B: _____

3 × 2 × 2

6 × 2 = 12

Keeping the original dimensions, how could you combine the two structures you've built?
(Put the figures together)

What is the volume of the combined or composite figure? Be sure to show your thinking.

Total Volume = _____

Part B

Now build a different structure using the two prisms, and find the volume.
Show your thinking.

What is the volume of the new figure? _____

When you built the second structure, did the volume change? Why or why not?

Name: ....

Date: _____

Volume of Composite Figures

Directions: Use centimeter cubes to complete the activity.

Part A:

Partner A: Use one color cube to build a structure that is 3 cm by 2 cm by 2 cm. Green

Partner B: Use a different color to build a cube that is 2 cm long on every side. yellow

$V = L \times W \times h$

$V = 3 \times 2 \times 2$

$V = 6 \times 2$

$V = 12 cm^3$

Record the volume of your structures.

Volume of Prism A: $12 cm^3$

Volume of Prism B: $8 cm^3$

$V = L \times W \times h$

$V = 2 \times 2 \times 2$

$V = 4 \times 2$

$V = 8 cm^3$

Keeping the original dimensions, how could you combine the two structures you've built?
(Put the figures together)

What is the volume of the combined or composite figure? Be sure to show your thinking.

Total Volume = _____

Part B

Now build a different structure using the two prisms, and find the volume.
Show your thinking.

What is the volume of the new figure? _____

When you built the second structure, did the volume change? Why or why not?

Name: _____

Date: 3-1-22

Volume of Composite Figures

Directions: Use centimeter cubes to complete the activity.

Part A:

Partner A: Use one color cube to build a structure that is 3 cm by 2 cm by 2 cm.

Green

Partner B: Use a different color to build a cube that is 2 cm long on every side.

Yellow

12
+ 8
20

Record the volume of your structures.

Volume of Prism A: 12cuin³

Volume of Prism B: 8cuin³

Keeping the original dimensions, how could you combine the two structures you've built?
(Put the figures together)

What is the volume of the combined or composite figure? Be sure to show your thinking.

20 cuin³

12+8

12
+ 8
20

V=LxWxh
V=2x2x2
V= 4x2
V= 8

V=LxWxh
V = 3x2x2
V = 6x2
V = 12

20

Total Volume = 20cuin³

Part B

Now build a different structure using the two prisms, and find the volume.
Show your thinking.

V=LxWxh
V=2x2x2
V=4x2
V=8

V=LxWxh
V=3x2x2
V=6x2
V=12

20

What is the volume of the new figure? 20cuin³

When you built the second structure, did the volume change? Why or why not?

No because it was the same amount of cuin³

Name: _____ 1/

Date: 3/1/22

Volume of Composite Figures

Directions: Use centimeter cubes to complete the activity.

Part A:

Partner A: Use one color cube to build a structure that is 3 cm by 2 cm by 2 cm. green

l x w x h

Partner B: Use a different color to build a cube that is 2 cm long on every side. Yellow

$V = l \times w \times h$

$V = 2 \times 2 \times 2$

$V = 4 \times 2$

$V = 8\ cm^3$

Record the volume of your structures.

Volume of Prism A: 12 cm^3

Volume of Prism B: 8 cm^3

$V = l \times w \times h$

$V = 3 \times 2 \times 2$

$V = 6 \times 2$

$V = 12\ cm^3$

Keeping the original dimensions, how could you combine the two structures you've built?
(Put the figures together)

What is the volume of the combined or composite figure? Be sure to show your thinking.

Total Volume = _____

Part B

Now build a different structure using the two prisms, and find the volume.
Show your thinking.

What is the volume of the new figure? _____

When you built the second structure, did the volume change? Why or why not?

Name: _____

Date: 2-1-22

Volume of Composite Figures

Directions: Use centimeter cubes to complete the activity.

Part A:

Partner A: Use one color cube to build a structure that is 3 cm by 2 cm by 2 cm. green

Partner B: Use a different color to build a cube that is 2 cm long on every side. yellow

Record the volume of your structures.

Volume of Prism A: 12

Volume of Prism B: 8

Keeping the original dimensions, how could you combine the two structures you've built?
(Put the figures together)

What is the volume of the combined or composite figure? Be sure to show your thinking.

i did 3x2 which is six then 6x2 which is 12

Total Volume = 20

Part B

Now build a different structure using the two prisms, and find the volume.
Show your thinking. we change the place and stayed the same

What is the volume of the new figure? 120

When you built the second structure, did the volume change? Why or why not? no

Name: _____

Date: 03-1-22

Volume of Composite Figures

Directions: Use centimeter cubes to complete the activity.

Part A: l w h

Partner A: Use one color cube to build a structure that is 3 cm by 2 cm by 2 cm.

Green

Partner B: Use a different color to build a cube that is 2 cm long on every side.

Yellow

Record the volume of your structures.

Volume of Prism A: 12 cu in^3

Volume of Prism B: 8 cu in^3

Keeping the original dimensions, how could you combine the two structures you've built?
(Put the figures together)

What is the volume of the combined or composite figure? Be sure to show your thinking.

Combined

$V = l \times w \times h$

$V = 3 \times 2 \times 2$

$V = 6 \times 2$

$V = 12$ cubic in^3

Composite

$V = l \times w \times h$

$V = 2 \times 2 \times 2$

$V = 4 \times 2$

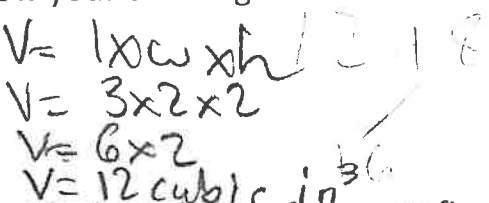
$V = 8$ cubic in^3

Total Volume = 20 cu in^3

Part B

Now build a different structure using the two prisms, and find the volume.

Show your thinking.



$V = l \times w \times h$

$V = 3 \times 2 \times 2$

$V = 6 \times 2$

$V = 12$ cubic in^3

$V = l \times w \times h$

$V = 2 \times 2 \times 2$

$V = 4 \times 2$

$V = 8$ cubic in^3

What is the volume of the new figure? 20 cu in^3

When you built the second structure, did the volume change? Why or why not?

No, because it was the same either way.

Name: _____

Date: 03/01/22

Volume of Composite Figures

green

Directions: Use centimeter cubes to complete the activity.

Part A:

Partner A: Use one color cube to build a structure that is 3 cm by 2 cm by 2 cm.

yellow

Partner B: Use a different color to build a cube that is 2 cm long on every side.

l×w×h
3×2×2
6×2
12

2×2×2
√
8

Record the volume of your structures.

Volume of Prism A: 12

Volume of Prism B: 8

Keeping the original dimensions, how could you combine the two structures you've built?
(Put the figures together)

What is the volume of the combined or composite figure? Be sure to show your thinking.

12+8
√
30

Total Volume = 20

Part B

Now build a different structure using the two prisms, and find the volume.

Show your thinking.

3×2×2
6×2
12+10
22

5×2
10

What is the volume of the new figure? 28

When you built the second structure, did the volume change? Why or why not? Y S because we to change we've they placed

Name: Samyra Simmons

Date: March 1, 2022

Volume of Composite Figures

Directions: Use centimeter cubes to complete the activity.

Part A: green

Partner A: Use one color cube to build a structure that is 3 cm by 2 cm by 2 cm.

Partner B: Use a different color to build a cube that is 2 cm long on every side.

$V = l \times w \times h$

$V = 3 \times 2 \times 2$

$6 \times 2 = 12$ Cubic in^3

Record the volume of your structures.

Volume of Prism A: 12 cm^3

Volume of Prism B: 8 cm

Keeping the original dimensions, how could you combine the two structures you've built?
(Put the figures together)

What is the volume of the combined or composite figure? Be sure to show your thinking.

$V = l \times w \times h$

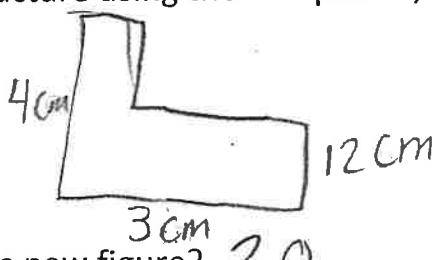
$V = 2 \times 2 \times 2$

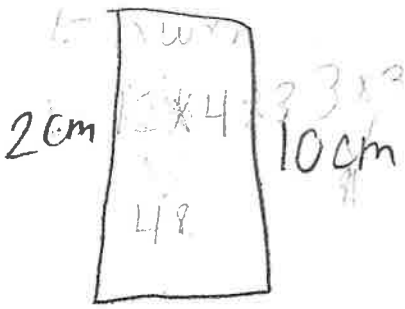
$4 \times 2 = 8$

Total Volume = 8

Part B yellow

Now build a different structure using the two prisms, and find the volume.
Show your thinking.





What is the volume of the new figure? 20

When you built the second structure, did the volume change? Why or why not?

Name: _

Date: March

Volume of Composite Figures

Directions: Use centimeter cubes to complete the activity.

Part A: green

Partner A: Use one color cube to build a structure that is 3 cm by 2 cm by 2 cm.

Partner B: Use a different color to build a cube that is 2 cm long on every side.

$V = l \times w \times h$

$V = 3 \times 2 \times 2$

$V = 6 \times 2 = 12$

$V = 12$ cubic units

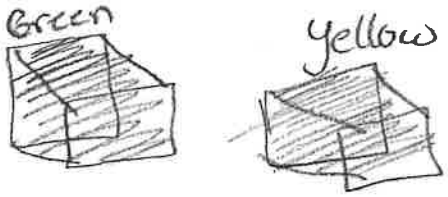
Record the volume of your structures.

Volume of Prism A: 12 cm^3

Volume of Prism B: 8

Keeping the original dimensions, how could you combine the two structures you've built?
(Put the figures together)

What is the volume of the combined or composite figure? Be sure to show your thinking.



12 Green

8 yellows

$+\ 12$
$\ \ 8$
$\overline{20}$

Total Volume = 20

Part B

Now build a different structure using the two prisms, and find the volume.
Show your thinking.

What is the volume of the new figure? _____

When you built the second structure, did the volume change? Why or why not?

Name: _____

Date: 3-1-22

Volume of Composite Figures

Directions: Use centimeter cubes to complete the activity.

Part A: green

Partner A: Use one color cube to build a structure that is 3 cm by 2 cm by 2 cm.

Partner B: yellow Use a different color to build a cube that is 2 cm long on every side.

$V = l \times w \times h$

$V = 3 \times 2 \times 2$

$V = 6 \times 2 = 12 cm^3$

Record the volume of your structures.

Volume of Prism A: 12

Volume of Prism B: 8

Keeping the original dimensions, how could you combine the two structures you've built?
(Put the figures together)

What is the volume of the combined or composite figure? Be sure to show your thinking.

$V = l \times w \times h$

$V = 3 \times 2 \times 2$

$V = 6 \times 2 = 12 cm^3$

$V = 2 \times 2 \times 3$

$V = 4 \times 2$

$12 + 8 = 20$

Total Volume = 20

Part B

Now build a different structure using the two prisms, and find the volume.
Show your thinking.

What is the volume of the new figure? _____

When you built the second structure, did the volume change? Why or why not?

Name: _____

Date: 0301 My Bday

Volume of Composite Figures

Directions: Use centimeter cubes to complete the activity.

Part A: green

Partner A: Use one color cube to build a structure that is 3 cm by 2 cm by 2 cm.

Partner B: Use a different color to build a cube that is 2 cm long on every side.

$V = l \times w \times h$

$V = 3 \times 2 \times 2$

$V = 3 \times 2 = 6 \times 2 = 12 \text{ cm}^3$

Record the volume of your structures.

Volume of Prism A: 12 cm

Volume of Prism B: 8 cm

Keeping the original dimensions, how could you combine the two structures you've built?
(Put the figures together)

What is the volume of the combined or composite figure? Be sure to show your thinking.

$V = l \times w \times h$

$V = 2 \times 2 \times 2$

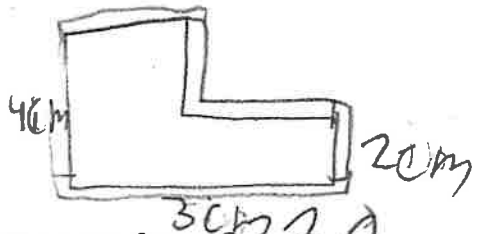
$V = 2 \times 2 \times 2$

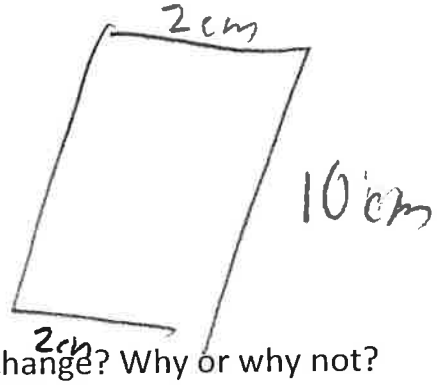
$4 \times 2 = 8$

Total Volume = 8

Part B yellow

Now build a different structure using the two prisms, and find the volume.
Show your thinking.





What is the volume of the new figure? 20

When you built the second structure, did the volume change? Why or why not?

Name: _____

Date: 3/1/22

Volume of Composite Figures

Directions: Use centimeter cubes to complete the activity.

Part A:

Partner A: Use one color cube to build a structure that is 3 cm by 2 cm by 2 cm.

Partner B: Use a different color to build a cube that is 2 cm long on every side.

18
+8
26

Record the volume of your structures.

Volume of Prism A: 18 in

Volume of Prism B: 8

3X2X3
6X3
18 cubic in

2X2X2
4X2
8 cubic in

Keeping the original dimensions, how could you combine the two structures you've built?
(Put the figures together)

What is the volume of the combined or composite figure? Be sure to show your thinking.

18
+8
26

Total Volume = 26

Part B

Now build a different structure using the two prisms, and find the volume.
Show your thinking.

2X3X2
6X2
12

What is the volume of the new figure? 4 12

When you built the second structure, did the volume change? Why or why not?
yes because its bulit diffrent and has diffecnt numbers

Name: _____

Date: _____

Volume of Composite Figures

Directions: Use centimeter cubes to complete the activity.

Part A: green

Partner A: Use one color cube to build a structure that is 3 cm by 2 cm by 2 cm.

Partner B: Use a different color to build a cube that is 2 cm long on every side.

$V = 2 \times 2 \times 2$ $V = l \times w \times h$

4×2

$V =$

Record the volume of your structures.

Volume of Prism A: $12 in^3$

Volume of Prism B: $94 in^3$

$3 \times 2 \times 2$

$V = 6 \times 2$

$12 in^3$

Keeping the original dimensions, how could you combine the two structures you've built?
(Put the figures together)

What is the volume of the combined or composite figure? Be sure to show your thinking.

$V = l \times w \times h$

$V = 3 \times 2 \times 2$

$V = 12$

$V = l \times w \times h$

$V = 2 \times 2 \times 2$

$V = 12 \times 8$

$V = 94 in^3$

$12 \times 8 = 96$

$* 96$

Total Volume = _____

Part B

Now build a different structure using the two prisms, and find the volume.
Show your thinking.

What is the volume of the new figure? _____

When you built the second structure, did the volume change? Why or why not?

Name: _____

Date: 3/1/22

Volume of Composite Figures

Directions: Use centimeter cubes to complete the activity.

Part A: green

Partner A: Use one color cube to build a structure that is 3 cm by 2 cm by 2 cm.

Partner B: Use a different color to build a cube that is 2 cm long on every side.

$V = l \times w \times h$

$V = 2 \times 2 \times 2$

$V = 4 \times 2$

$V = 8 \text{ in}^3$

Record the volume of your structures.

Volume of Prism A: 12 in^3

Volume of Prism B: 8 in^3

$3 \times 2 \times 2$

6×2

12

Keeping the original dimensions, how could you combine the two structures you've built?
(Put the figures together)

What is the volume of the combined or composite figure? Be sure to show your thinking.

$V = l \times w \times h$

$V = 2 \times 2 \times 2$

4×2

8 in^3 12

$3 \times 2 \times 2$

6×2

12 in^3

$V = l \times w \times h$

$V = 3 \times 2 \times 2$

$V = 6 \times 2$

12 in^3

$12 \times 8 = 96$

Total Volume = 96 in^3

Part B

Now build a different structure using the two prisms, and find the volume.
Show your thinking.

What is the volume of the new figure? _____

When you built the second structure, did the volume change? Why or why not?

Name: _____

Date: March 1, 2022

Volume of Composite Figures

Directions: Use centimeter cubes to complete the activity.

Part A:

Partner A: Use one color cube to build a structure that is 3 cm by 2 cm by 2 cm. Green

Partner B: Use a different color to build a cube that is 2 cm long on every side. Yellow

$V = l \times 2w \times h$
$V = 2 \times 2 \times 2$
$V = 4 \times 2$
$V = 8$

Record the volume of your structures.

Volume of Prism A: 12

Volume of Prism B: 8

$V = l \times 2w \times h$
$V = 3 \times 2 \times 2$
$V = 6 \times 2$
$V = 12$

Keeping the original dimensions, how could you combine the two structures you've built?
(Put the figures together)

What is the volume of the combined or composite figure? Be sure to show your thinking.

$V = l \times 2w \times h$
$V = 3 \times 2 \times 4$
$V = 6 \times 4$
$V = 24$

Total Volume = 24

Part B

Now build a different structure using the two prisms, and find the volume.
Show your thinking.

$4 \times 2 \times 2$,
$8 \times 2 = 16$
$+ 4$
20

What is the volume of the new figure? 20

When you built the second structure, did the volume change? Why or why not?
Yes the volume change because we didn't use the same amount of blocks.

Name: _____

Date: 3-1-22

Volume of Composite Figures

Directions: Use centimeter cubes to complete the activity.

Part A:

Partner A: Use one color cube to build a structure that is 3 cm by 2 cm by 2 cm. Green

Partner B: Use a different color to build a cube that is 2 cm long on every side. Yellow

$V = l \times w \times h$

Record the volume of your structures.

Volume of Prism A: 12 $V = 12$

Volume of Prism B: 8 $V = 8$

Keeping the original dimensions, how could you combine the two structures you've built?
(Put the figures together)

$$\begin{array}{r} 12 \\ \times\ 8 \\ \hline 96 \end{array}$$

What is the volume of the combined or composite figure? Be sure to show your thinking.

$V = 3 \times 2 \times 4$

Total Volume = 24

Part B

Now build a different structure using the two prisms, and find the volume.
Show your thinking. $V = l \times w \times h$

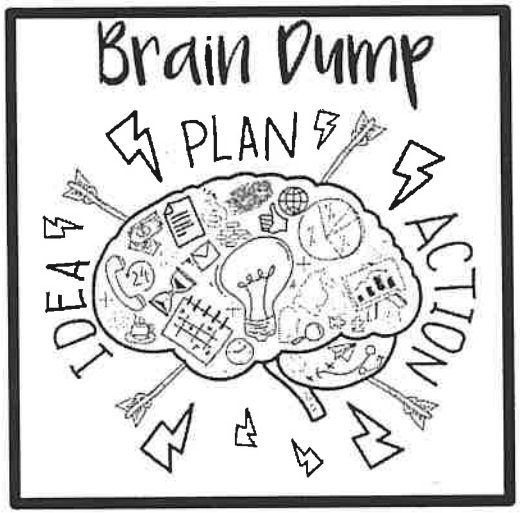
What is the volume of the new figure? _____

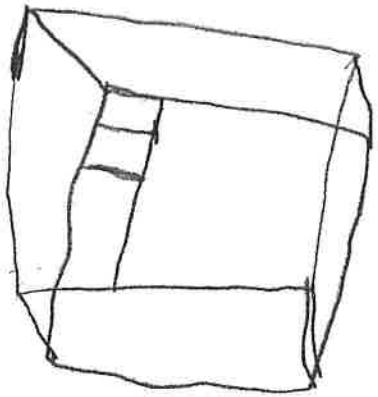
When you built the second structure, did the volume change? Why or why not?
Yes because we didn't use the same amount of blocks.

Name _____

Date _____

Skill _____





Name: _____

Date: _____

Volume of Composite Figures

Directions: Use centimeter cubes to complete the activity.

Part A: green

Partner A: Use one color cube to build a structure that is 3 cm by 2 cm by 2 cm.

yellow

Partner B: Use a different color to build a cube that is 2 cm long on every side.

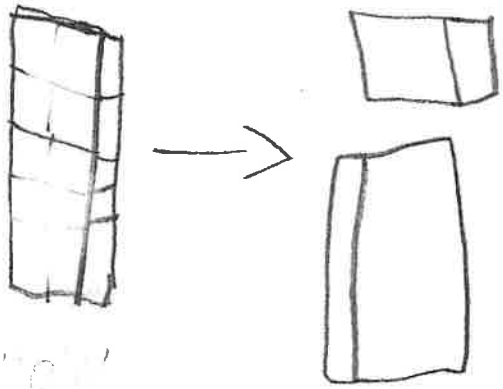
Record the volume of your structures.

Volume of Prism A: 12

Volume of Prism B: 8

Keeping the original dimensions, how could you combine the two structures you've built?
(Put the figures together)

What is the volume of the combined or composite figure? Be sure to show your thinking.



Total Volume = 20

Part B yellow

Now build a different structure using the two prisms, and find the volume.
Show your thinking.

What is the volume of the new figure? 20

When you built the second structure, did the volume change? Why or why not?

No because we used the same amount of cubes.

Name: _____

Date: 03/01/2022

Volume of Composite Figures

Directions: Use centimeter cubes to complete the activity.

Part A: green

Partner A: Use one color cube to build a structure that is 3 cm by 2 cm by 2 cm.

Yellow

Partner B: Use a different color to build a cube that is 2 cm long on every side.

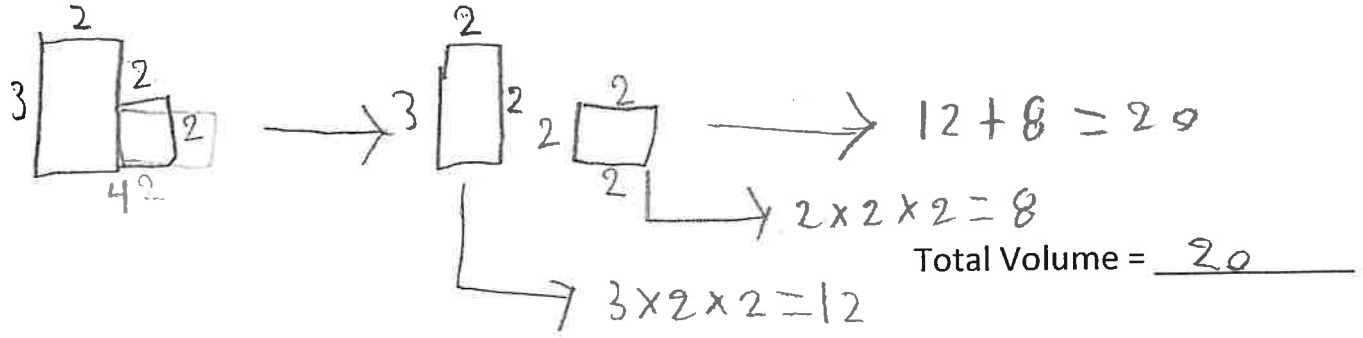
Record the volume of your structures.

Volume of Prism A: 12

Volume of Prism B: 8

Keeping the original dimensions, how could you combine the two structures you've built?
(Put the figures together)

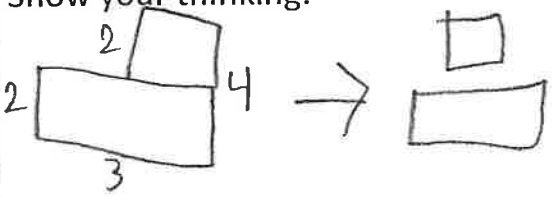
What is the volume of the combined or composite figure? Be sure to show your thinking.



Total Volume = 20

Part B

Now build a different structure using the two prisms, and find the volume.
Show your thinking.



What is the volume of the new figure? 20

When you built the second structure, did the volume change? Why or why not?
No because we use same amount of cubes.

Name: _____

Date: _____

Volume of Composite Figures

Directions: Use centimeter cubes to complete the activity.

Part A:

Partner A: Use one color cube to build a structure that is 3 cm by 2 cm by 2 cm.

Partner B: Use a different color to build a cube that is 2 cm long on every side.

Record the volume of your structures.

Volume of Prism A: _____

Volume of Prism B: _____

Keeping the original dimensions, how could you combine the two structures you've built?
(Put the figures together)

What is the volume of the combined or composite figure? Be sure to show your thinking.

Total Volume = _____

Part B

Now build a different structure using the two prisms, and find the volume.
Show your thinking.

What is the volume of the new figure? _____

When you built the second structure, did the volume change? Why or why not?

Name: _____

Date: 3/1/22

Volume of Composite Figures

Directions: Use centimeter cubes to complete the activity.

Part A: green

Partner A: Use one color cube to build a structure that is 3 cm by 2 cm by 2 cm.

yellow

Partner B: Use a different color to build a cube that is 2 cm long on every side.

Record the volume of your structures.

Volume of Prism A: 12

Volume of Prism B: 8

Keeping the original dimensions, how could you combine the two structures you've built?
(Put the figures together)

What is the volume of the combined or composite figure? Be sure to show your thinking.

$V = l \times w \times h$

$V = 3 \times 2 \times 2$

$V = 6 \times 2$

12

$V = l \times w \times h$

$V = 2 \times 2 \times 2$

$V = 4 \times 2$

8

$12 + 8 = 20$

Total Volume = 20

Part B

Now build a different structure using the two prisms, and find the volume.
Show your thinking.

What is the volume of the new figure? _____

When you built the second structure, did the volume change? Why or why not?

Name. _____

Date: 3-1-22

Volume of Composite Figures

Directions: Use centimeter cubes to complete the activity.

Part A: Me, Cree H

Partner A: Use one color cube to build a structure that is 3 cm by 2 cm by 2 cm.

Partner B: Use a different color to build a cube that is 2 cm long on every side.

Record the volume of your structures.

Volume of Prism A: 12

Volume of Prism B: 8

Keeping the original dimensions, how could you combine the two structures you've built?
(Put the figures together)

What is the volume of the combined or composite figure? Be sure to show your thinking.

$V = C \times W \times h$

$V = 3 \times 2 \times 2$

$V = 6 \times 2$

$V = 12$

$V = 6 \times w \times h$

$V = 2 \times 2 \times 2$

$V = 4 \times 2$

$V = 8$

$12 + 8 = 20$

Total Volume = 20

Part B

Now build a different structure using the two prisms, and find the volume.
Show your thinking.

What is the volume of the new figure? _____

When you built the second structure, did the volume change? Why or why not?

Name: _____

Date: 3/1/22

Volume of Composite Figures

Directions: Use centimeter cubes to complete the activity.

Part A:

Partner A: Use one color cube to build a structure that is 3 cm by 2 cm by 2 cm.

Partner B: Use a different color to build a cube that is 2 cm long on every side.

Record the volume of your structures.

Volume of Prism A: 24

Volume of Prism B: 8

Keeping the original dimensions, how could you combine the two structures you've built?
(Put the figures together)

What is the volume of the combined or composite figure? Be sure to show your thinking.

24
+ 8
32

Total Volume = 32 cm

Part B

Now build a different structure using the two prisms, and find the volume.
Show your thinking.

What is the volume of the new figure? 32

When you built the second structure, did the volume change? Why or why not?