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Damien's "Surface Area" Method

| I need to find |
| :---: |
| the surface |
| area of the |
| room. |


| I cross $2 l w$ |
| :--- |
| out because |
| I'm not |
| painting the |
| floor or the |
| ceiling. |


| I substitute |
| :---: |
| the values |
| into the |
| formula and |
| calculate. |

The walls are

1) What are the similarities and differences between Damien and Sydney's methods?

| Similarities | Differences |
| :--- | :--- |
|  |  |
|  |  |
|  |  |

2) Who best helped Rachel paint the walls of the room? How do you know?
3) Describe the differences between surface area and volume.
4) How much wrapping paper would you need to wrap a box that is 15 in . long, 7 in . wide, and 10 in . tall?


Wow! I never thought about the practical differences between surface area and volume before, but seeing Damien's method, I see that finding the surface area only paints the surfaces of the room, while finding the volume would fill the entire room with paint. That's just silly!

