You’re the Box Maker:

Which Box Would YOU Choose??

 #1 #2

|  |  |  |
| --- | --- | --- |
| Length = 9 cm |  | Length = 8 cm |
| Width = 10 cm |  | Width = 4 ½ cm |
| Height = 5 cm |  | Height = 12 cm |
| http://www.emergingrnleader.com/wp-content/uploads/2012/10/think-outside-the-box.jpg |  | http://t3.gstatic.com/images?q=tbn:ANd9GcTrhrigfSzIok_71ZkqvAyM7rkhxSLZQhuYIkDcqv6Kjv2fgxlS |

1) What observations can you make?

2) What do you need to know, or what should you consider?

3) Without working anything out, which box do you think is best? # \_\_\_\_

 Why?

4) With the given information, working out anything you believe is

 necessary, which do you think is the best choice? Show work and

 justify your reasoning.

5) Which box is the worst choice? Justify your reasoning.

6) You have 7,200 cubic cm of products to put into your boxes. How

 many boxes will you need? Show your work!

V = 450 V = 1000 V = 432

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