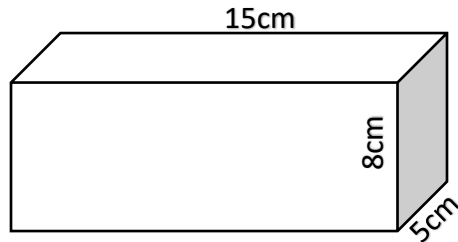
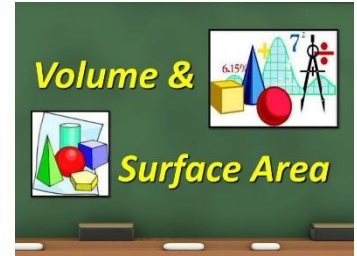




Grade 9 - Mathematics Surface Area and Volume 5

Activity

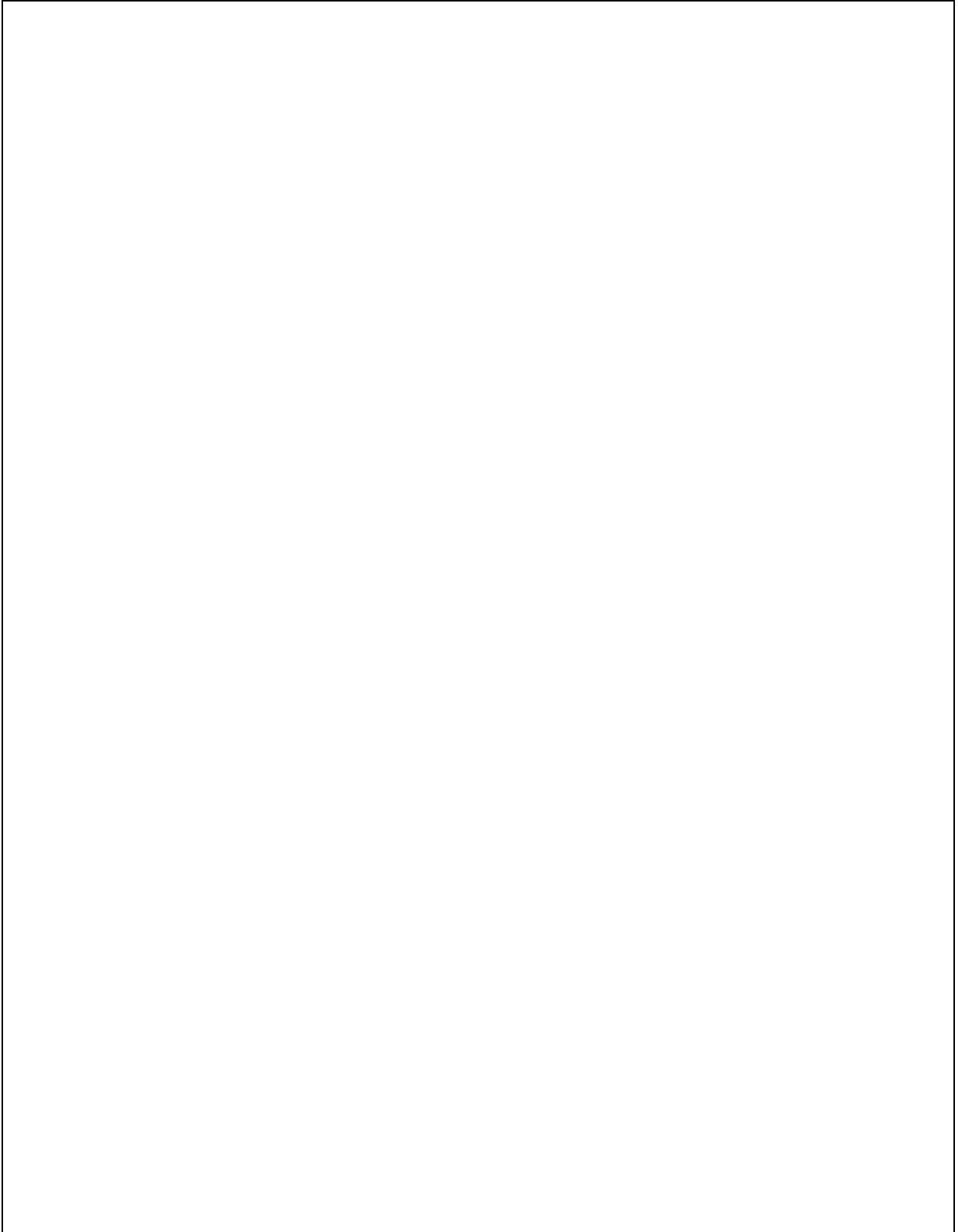


- Calculate the volume of the rectangular prism.
- Halve the length and recalculate the volume.
- Halve the height and recalculate the volume.
- Double the breadth and recalculate the volume.
- Double the length and recalculate the volume.
- Halve the length and the height and recalculate the volume.
- Double the breadth and the length and recalculate the volume.
- Double all the measurements and recalculate the volume.
- Halve all the measurements and recalculate the volume.
- Work out the ratio of the original volume as to the volume in (b)
- Work out the ratio of the original volume as to the volume in (e)
- Work out the ratio of the original volume as to the volume in (f)
- Work out the ratio of the original volume as to the volume in (g)
- Work out the ratio of the original volume as to the volume in (h)
- Work out the ratio of the original volume as to the volume in (i)
- Use the ratio's and write a conclusion as to the relationship between doubling and halving of the measurements in relation to the volume

Use the blocks on the next two pages to show your working out



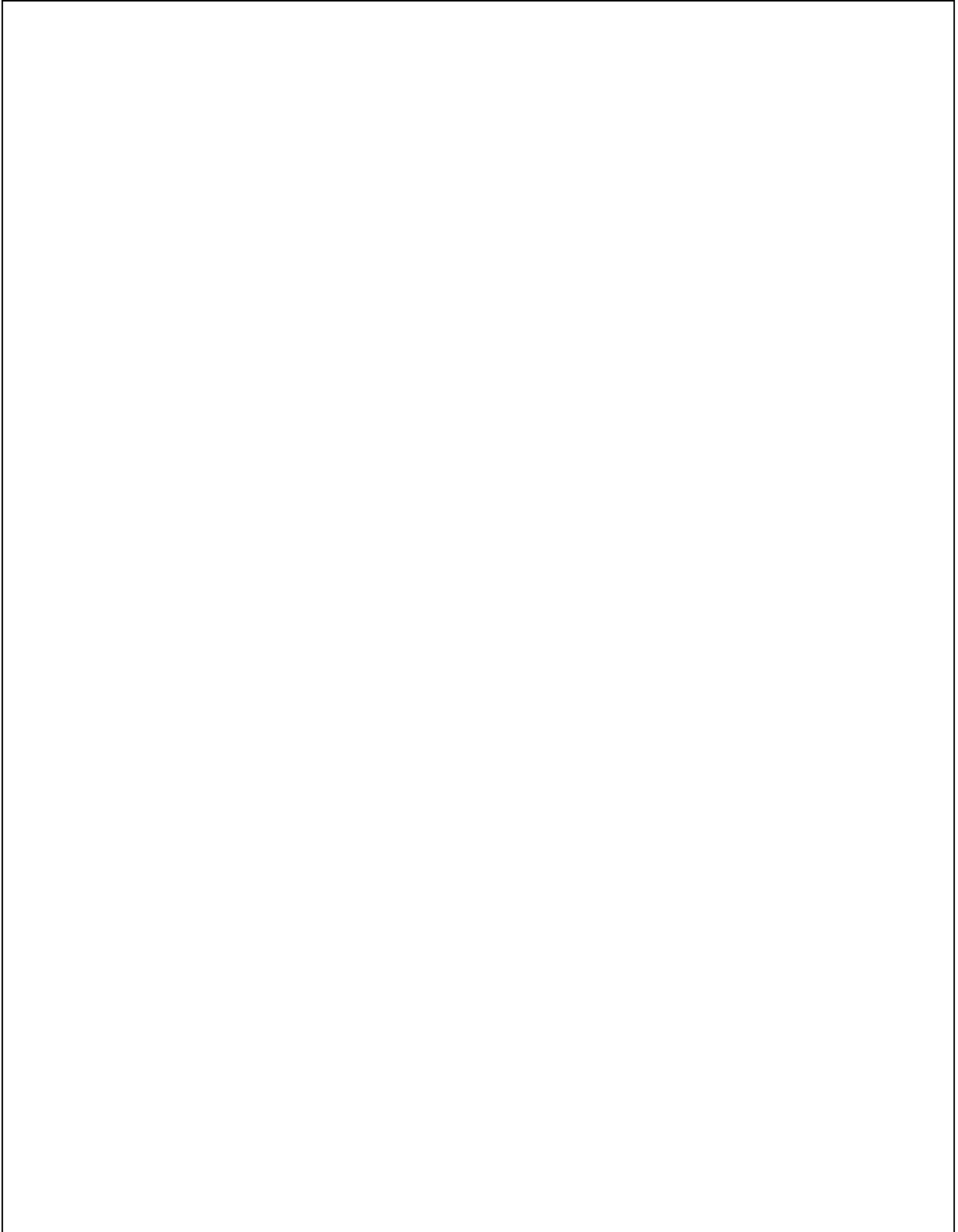
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