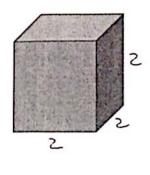
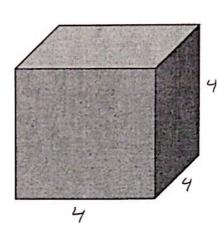
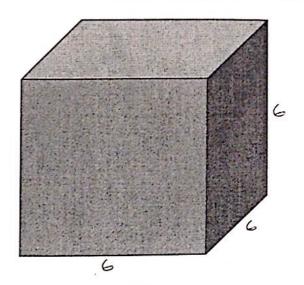


SHAPE	SIDE LENGTHS	AREA OF FRONT	VOLUME OF SHAPE
1		MICHOLITICAL	VOLUME OF SHAPE
2			
3			

- 1) What is the scale factor of the sides from shape 1 to shape 2? How about shape 1 to shape 3?
- 2) What is the area ratio of shape 1 to shape 2? How about the area ratio of shape 1 to shape 3?
- 3) What is the volume ratio of shape 1 to shape 2? How about the volume ratio of shape 1 to shape 3?
- 4) If a cone can hold 500 mL of water, then how much water could a cone 5 times the size of it hold?
- 5) What is the ratio of the sides of two figures that have volumes of 64 cubic inches and 729 cubic inches?







SHAPE	SIDE LENGTHS	AREA OF FRONT	VOLUME OF SHAPE
1	2	4	8
2	4	16	64
3	6	36	216

1) What is the scale factor of the sides from shape 1 to shape 2? How about shape 1 to shape 3?

$$\frac{1}{3}$$

2) What is the area ratio of shape 1 to shape 2? How about the area ratio of shape 1 to shape 3?

3) What is the volume ratio of shape 1 to shape 2? How about the volume ratio of shape 1 to shape 3?

4) If a cone can hold 500 mL of water, then how much water could a cone 5 times the size of it hold?

$$\frac{1}{5} \rightarrow \frac{1}{125} = \frac{500}{\times}$$
 625000



5) What is the ratio of the sides of two figures that have volumes of 64 cubic inches and 729 cubic inches?