Volume Measurement

Volume is the measure of the amount of space a 3-dimensional object takes up. When we talk about the volume of a container (for example, a vase, a can, a glass, a bowl, a bucket, a box), we are talking about the amount the container can hold.

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Only 3-dimensional objects take up space and have volume. Two-dimensional shapes have other attributes that we can measure, such as length and area. But 2-dimensional shapes do not have volume.

(1) Circle each item below that has **volume.**

a wiggly line drawn on paper

a blue rectangle

a bar of soap

a bucket

a circle

a swimming pool

a baseball

a drawing of a flower pot

an empty crayon box

a cereal box

a drawing of a tree

the kitchen sink

(2) Choose one of the items you circled. Describe one way you could measure the volume of that item. Be sure to tell what unit you would use and why.

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Practice

Solve.

(3) $(30 + 40) * 5 =$ _____

(4) $30 + (40 * 5) =$ _____

(5) $(694 - 95) + (2 + 3) =$ _____

(6) _____ $= 15 - (12 + 6 - 3)$