

Below are the formulas you may find useful as you work the problems. However, some of the formulas may not be used. You may refer to this page as you take the test.

Perimeter

The perimeter of a polygon is equal to the sum of the lengths of its sides.

Area

Triangle $A = \frac{1}{2}bh$

Rectangle $A = bh$ or $A = lw$

Surface Area

The total area of the 2-dimensional surfaces that make up a 3-dimensional object.

Volume of Right Rectangular Prism

$$V = (\text{length})(\text{width})(\text{height})$$

or

$$V = (\text{area of base})(\text{height})$$

Mean

$$\bar{x} = \frac{x_1 + x_2 + x_3 + \dots + x_n}{n}$$

Interquartile Range

$$IQR = Q_3 - Q_1$$

The difference between the first quartile and third quartile of a set of data.