

Formulas that you may need to work questions on this test are found below.

You may refer back to this page at any time during the mathematics test.

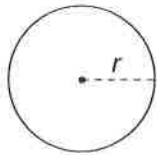
You may use calculator π or the number 3.14.

2015
Grade 7

Simple Interest

$$I = Prt$$

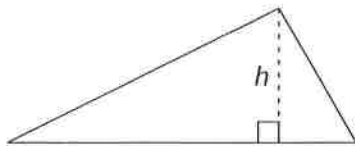
Circle



$$C = 2\pi r$$

$$A = \pi r^2$$

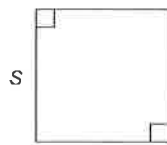
Triangle



b

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

Square



s

$$A = s^2$$

Rectangle



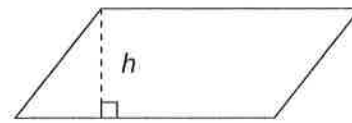
w

l

$$A = lw$$

$$P = 2l + 2w$$

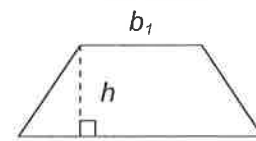
Parallelogram



b

$$A = bh$$

Trapezoid

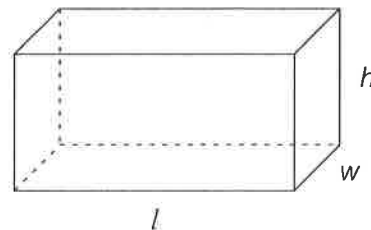


b_1

b_2

$$A = \frac{1}{2}h(b_1 + b_2)$$

Rectangular Prism



l

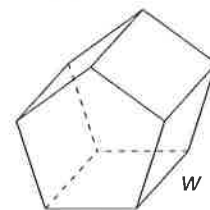
h

w

$$V = lwh$$

$$SA = 2lw + 2lh + 2wh$$

Polygonal Prism



w

$$V = Bw, \text{ where } B = \text{area of the base}$$

$$SA = Pw + 2B, \text{ where } P = \text{perimeter of base}$$