

A formula is an equation with multiple variables in it.

e.g. distance = rate  $\times$  time  $\Leftrightarrow r = \frac{d}{t} \Leftrightarrow t = \frac{d}{r}$   
 (speed)

WEBASSIGN 1.3

(2) The travel time for a plane traveling at a rate of  $r$  kilometers per hour for 690 kilometers is  $\boxed{690/r}$  hr.

$$t = \frac{690 \text{ km}}{r \text{ km/hr}} = \frac{690}{r} \text{ hr}$$

(3) The area  $A$  of a triangle with base 16 inches and height  $h$  inches

$$A = \frac{16 \cdot h}{2} = \boxed{8h}$$

$$\text{Area of a triangle} = \frac{\text{base} \times \text{height}}{2}$$

(4) The sum of three consecutive natural numbers is 876.

Smallest	291	$\rightarrow \frac{876}{3} = \text{middle (average of three numbers)}$
Middle	292	
Largest	293	

another example, sum of 5 consecutive natural number is 615.

then these 5 numbers are 121, 122, 123, 124, 125.

$$\frac{615}{5} = \underline{123} \rightarrow \text{middle number (average of 5)}$$

another example, sum of 4 consecutive natural number is 594.

then these four numbers are 147, 148, <sup>148.5</sup>149, 150

$$\frac{594}{4} = 148.5 \rightarrow \text{average / middle of the middle 2 numbers}$$

$\rightarrow$  rounding to the tenth place of  $27.819 \approx 27.8$

rounding to the nearest cent of  $\$275.15972 \approx \$275.16$

rounding to the nearest dollar of  $\$275.15972 \approx \$275$