

Rumus Algebra

(9) ALGEBRAIC FORMULAE (Formula Algebra)

<p>Example 1 :</p> $\frac{5(h-4)}{g} = 7, \quad h = ???$ $5h - 20 = 7g$ $5h = 7g + 20$ $h = \frac{7g + 20}{5}$	<p>Example 2 :</p> $\frac{1}{v} + \frac{1}{u} = \frac{1}{f}, \quad v = ???$ $\frac{1}{v} = \frac{1}{f} - \frac{1}{u}$ $\frac{1}{v} = \frac{u-f}{fu}$ $v = \frac{fu}{u-f}$	<p>Example 3 :</p> $\frac{5m-p}{3} - m = 7, \quad m = ?$ $5m - p - 3m = 21$ $5m - 3m = 21 + p$ $2m = 21 + p$ $m = \frac{21+p}{2}$
<p>Example 4 :</p> $L = \frac{T(1-L)}{T-3}, \quad T = ???$ $LT - 3L = T - LT$ $LT + LT - T = 3L$ $2LT - T = 3L$ $T(2LT - 1) = 3L$ $T = \frac{3L}{2L-1}$	<p>Example 5 :</p> $\sqrt{\frac{2+g}{h}} = 3, \quad g = ???$ $\frac{2+g}{h} = 3^2$ $\frac{2+g}{h} = 9$ $2+g = 9h$ $g = 9h - 2$	<p>Example 6 :</p> $m = 5 - 3n^2, \quad n = ???$ $3n^2 = 5 - m$ $n^2 = \frac{5-m}{3}$ $n = \sqrt{\frac{5-m}{3}}$

teorimath.blogspot.com

teorimath.blogspot.com

- Membentuk rumus berdasarkan suatu situasi.
- Menukar perkara rumus bagi suatu persamaan algebra.
- Menentukan nilai suatu pemboleh ubah apabila nilai pemboleh ubah lain diberi.
- Menyelesaikan masalah yang melibatkan rumus