

# Literal Equations

## Coloring Activity

Solve the given equations. Then choose the correct option and color.  
You can do your calculation in a separate sheet of paper.

1) $A = 2\pi r$ , for $r$	$r = \frac{A}{2\pi}$ Color RED	$r = \frac{2\pi}{A}$ Color GREEN
2) $y = mx + b$ , for $b$	$b = mx - y$ Color GREY	$b = y - mx$ Color BLUE
3) $A = 2(L + w)$ , for $w$	$w = \frac{A - 2L}{2}$ Color YELLOW	$w = \frac{2L - A}{2}$ Color PURPLE
4) $A = P(1 + rt)$ , for $t$	$t = \frac{P - A}{Pr}$ Color PURPLE	$t = \frac{A - P}{Pr}$ Color GREEN
5) $C = \frac{5}{9}(F - 32)$ , for $F$	$F = \frac{9}{5}C + 32$ Color ORANGE	$F = \frac{9}{5}C - 32$ Color BROWN
6) $k = \frac{1}{2}mv^2$ , for $m$	$m = \frac{2k}{v^2}$ Color BLUE	$m = \frac{v^2}{2k}$ Color GREY
7) $d = \frac{c}{\pi}$ , for $\pi$	$\pi = \frac{d}{c}$ Color PURPLE	$\pi = \frac{c}{d}$ Color YELLOW

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### Answers

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4) $A = P(1 + rt)$ , for $t$	$t = \frac{P - A}{Pr}$ Color PURPLE	$t = \frac{A - P}{Pr}$ Color GREEN
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6) $k = \frac{1}{2}mv^2$ , for $m$	$m = \frac{2k}{v^2}$ Color BLUE	$m = \frac{v^2}{2k}$ Color GREY
7) $d = \frac{c}{\pi}$ , for $\pi$	$\pi = \frac{d}{c}$ Color PURPLE	$\pi = \frac{c}{d}$ Color YELLOW