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MATHEMATICS: EQUATIONS

Learning Objective: To solve equations with pronumerals and algebraic fractions.



Solve for the pronumeral.

3h + 7 = h - 3	8 - 4h = 3h - 5	3h - 6 = 3 - 7h	8 - 7d = 2 - 9d

Solve for the pronumeral.

$\frac{5t}{3} - 1 = 4$	$\frac{5t}{3} - 3 = 2$	$\frac{s}{3} - 5 = 5$	$\frac{2b}{5} - 2 = 6$



MATHEMATICS: ANSWER SHEET



Solve for the pronumeral.

3h + 7 = h - 3	8 - 4h = 3h - 5	3h - 6 = 3 - 7h	8 - 7d = 2 - 9d
3h + 7 = h - 3 3h - h = -3 - 7 2h = -10 h = -10 / 2 h = -5	8 - 4h = 3h - 5 - 4h = 3h - 5 - 8 - 4h = 3h - 13 - 4h - 3h = - 13 - 7h = - 13 h = 13 / 7	3h - 6 = 3 - 7h 3h + 7h - 6 = 3 10h - 6 = 3 10h = 3 + 6 10h = 9 h = 9 / 10 h = 0.9	8 - 7d = 2 - 9d 8 - 7d + 9d = 2 8 + 2d = 2 2d = 2 - 8 2d = - 6 d = - 6 / 2 d = - 3

Solve for the pronumeral.

$\frac{5t}{3} - 1 = 4$	$\frac{5t}{3} - 3 = 2$	<u>-s</u> 3 - 5 = 5	<u>2b</u> − 2 = 6
$\frac{5t}{3} - 1 = 4$ $\frac{5t}{3} = 4 + 1$ $\frac{5t}{3} = 5$ $5t = 5 \times 3$ $5t = 15$ $t = 15 / 5$ $t = 3$	$\frac{5t}{4} - 3 = 2$ $\frac{5t}{4} = 2 + 3$ $\frac{5t}{4} = 5$ $5t = 5 \times 4$ $5t = 20$ $t = 20 / 5$ $t = 4$	$\frac{s}{3} - 5 = 5$ $\frac{s}{3} = 5 + 5$ $\frac{s}{3} = 10$ $s = 10 \times 3$ $s = 30$	$\frac{2b}{5} - 2 = 6$ $\frac{2b}{5} = 6 + 2$ $\frac{2b}{5} = 8$ $2b = 8 \times 5$ $2b = 40$ $b = 20$