



Solving Multi Step Equations

Name _____

Score _____

MS:03

Solve each equation.

1) $-24 = -4(5 - 4q) - 6(q - 6)$

2) $\frac{4}{3(k-1)} = \frac{3}{5(4k+3)}$

3) $6 = 5 - 2(u + 4) + 4(2u - 3)$

4) $\frac{2t-5}{3} + 2(t+6) = 4 - 3t$

5) $\frac{5(3-c)}{2} - 7 + c = 3(c+2)$

6) $4x - 3 + 6(1 - x) = 9 - (x - 2) - 3x$

7) $-6(2a - 9) = -36$

8) $\frac{3}{5(v-3)} = \frac{1}{4(1-v)}$



Solving Multi Step Equations

Name _____

Score _____

Answer key

MS:03

Solve each equation.

1) $-24 = -4(5 - 4q) - 6(q - 6)$

$q = -4$

2) $\frac{4}{3(k-1)} = \frac{3}{5(4k+3)}$

$k = -\frac{69}{71}$

3) $6 = 5 - 2(u + 4) + 4(2u - 3)$

$u = 3\frac{1}{2}$

4) $\frac{2t-5}{3} + 2(t+6) = 4 - 3t$

$t = -1\frac{2}{17}$

5) $\frac{5(3-c)}{2} - 7 + c = 3(c+2)$

$c = -1\frac{2}{9}$

6) $4x - 3 + 6(1 - x) = 9 - (x - 2) - 3x$

$x = 4$

7) $-6(2a - 9) = -36$

$a = 7\frac{1}{2}$

8) $\frac{3}{5(v-3)} = \frac{1}{4(1-v)}$

$v = 1\frac{10}{17}$