Algebra 1 6th hr Bellwork Monday, November 16, 2015

Find the exact solution to each equation (no rounded decimals). Check your solutions.

1. $4 + \frac{2}{3}Q = -6$

2. $\frac{5}{6}G + \frac{7}{30} = \frac{8}{15}$

Algebra 1 6th hr Bellwork Monday, November 16, 2015 Answers

Find the exact solution to each equation (no rounded decimals). Check your solutions.

1. $4 + \frac{2}{3}Q = -6$
$-4 \quad -4$

$\frac{3}{2} \cdot \frac{2}{3}Q = -10 \cdot \frac{3}{2}$

$Q = -15$

$-10 \div 2$ then $\cdot 3$
or
$-10 \cdot 3$ then $\div 2$

2. $\frac{5}{5} \cdot \frac{5}{6}G + \frac{7}{30} = \frac{8}{15} \cdot \frac{2}{2}$

LCM of 6, 30, 15 is 30

$\frac{25}{30}G + \frac{7}{30} = \frac{16}{30}$

cancel out the 30's

$25G + 7 = 16$
$-7 \quad -7$

$\frac{25G}{25} = \frac{9}{25}$

$G = \frac{9}{25}$