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Algebra / Factoring a linear binomial

$$\frac{6w-18}{6} = \frac{6(w-3)}{6} \quad \text{check work}$$

$$\frac{6w-18}{2} = \frac{2(3w-9)}{2} = 6(w-3)$$

Accidentally didn't divide by the GCF.
The GCF is all the #'s you divided times each other.

$$\frac{8v-24}{8} = 8(v-3)$$

$$\frac{8v-24}{2} = \frac{2(4v-12)}{2} = 4(2v-6) = \frac{4(2v-6)}{2} = 8(v-3)$$

Divided by 2, 2, 2
 $2 \times 2 \times 2 = 8$ GCF

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