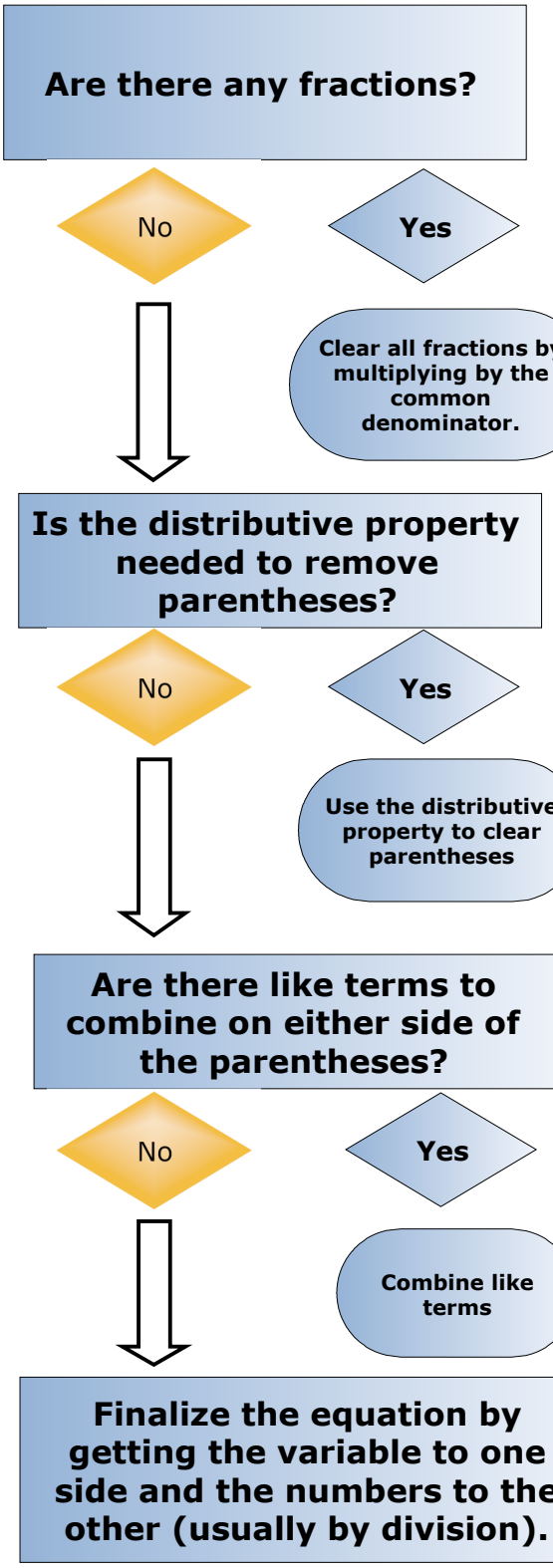
Solving Equations



$$\frac{2}{3}(x+5)+7=\frac{1}{4}(x+5)$$

$$(12)\frac{2}{3}(x+5)+7(12)=(12)\frac{1}{4}(x+5)$$

$$8(x+5)+84=3(x+5)$$

$$8(x+5)+84=3(x+5)$$

$$8x+40+84=3x+15$$

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$$8x+124=3x+15$$

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$$5x=-109$$

$$x=-\frac{109}{5}$$

Always divide using the sign of the coefficient.