

# One-Step Equations, Addition + Subtraction : VI

Name: \_\_\_\_\_

Curricular Competency: Estimate reasonably

Look at the following equation. Provide a rough estimate of what you assume the answer to be. Then, explain, with as much detail as possible, how it is that you came up with that estimate. DO NOT CALCULATE. Just estimate.

$$X - 256 = 198$$

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Curricular Competency: Reflect on mathematical thinking

Which equation is easier for you, and why? Explain with as many details as possible.

$$X + 398 = 47$$

$$28 = X - 298$$

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### Curricular Competency: Model mathematics in contextualized experiences

There will be 30 people at your Hallowe'en party, but your little brother and his two friends get to come. This means that three of the invitations have to go to your little brother and his friends. How many other people can you invite? Write down an equation that would represent this word problem.

### Curricular Competency: Explain and justify mathematical ideas and decisions

You will be given a word problem, and you need to decide if the equation accurately represents what is being asked. You need to explain in your own words and ideas, why it is that you either AGREE or DISAGREE with the equation that was given.

**Word problem:** "Marcus buys candies priced at \$77 from Red Rooster. How much did he pay the cashier, if he received \$23 in change?"

**Equation:**  $23 = x - 77$

### Curricular Competency: Visualize to explore mathematical concepts

You will be given an equation. Your job is to think of a scenario in which this equation would represent something in real life (like the number of candies that someone buys, or the amount of money in change, or the number of soccer goals, etc). You will draw out what each component represents. You will then explain in words what your drawings represent. You only need drawings for the number 12, the letter x, and the number 5.

12	=	x	+	5