



## Using Formative Assessment to Develop Student Understanding

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## Goals

- Make sense of the proportional reasoning learning progression.
- Learn how to include the formative assessment process into daily instruction.
- Discuss the importance of effective feedback to improve student understanding and achievement.

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## Solve ...

You work in a grocery store. Your boss gives you the following table to make sure that the prices of various sizes of lemonade are proportional.

Fill in the missing values in order to determine the price or size of each lemonade container.

<b>Price (\$)</b>			1.50	3			9		16
<b>Container Size (Oz)</b>	8	10		24	32	64		116	

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## Formative Assessment Process

- Unpack the essential learning content and practice standards
- Develop and use well-designed tasks selected for balance of cognitive demand
- Collect data from those tasks
- Provide clear and descriptive feedback to students
- Use the feedback to adjust teaching and learning

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## Solve ...

Ellen, Jim, and Steve bought three helium-filled balloons and paid \$2 for all three. They decided to go back to the store and buy enough balloons for everyone in the class. How much did they pay for 24 balloons?

Source: Lamon (1993)

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