Show Me the Money (B)

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What would you do with...

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$100?

$500?

Which would you choose?

Objectives:

- Use a linear equation to model a scenario
- Find the slope and y-intercept of a linear equation
- Solve a system of linear equations algebraically and graphically

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Expectations:

What if your options were...

Plan A: $500 + $10 per day

Plan B: $100 + $20 per day

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1. Will Plan A or Plan B make you more money in 30 days?

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2. Will Plan A or Plan B make you more money in 60 days?

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3. Will Plan A or Plan B make you more money in 90 days?

Equations

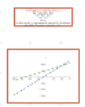
4. Write an equation for Plan A:

5. Write an equation for Plan B:

6. How can you tell when one plan becomes a better option than the other?

Algebraically:

Graphically:



Next Steps:

- Learn various ways to solve systems of equations
- Learn to graph systems of equations
- Continue to model real-world situations with linear equations

Thanks for your attention!

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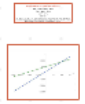

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Expectations:

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- Participate fully in the lesson.
- Raise your hand to answer or ask questions.
- Use 3-clap method to get back on track.

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$100?	$500?	Which would you choose?

What if your options were...

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Plan B: $100 + $20 per day

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1. Will Plan A or Plan B make you more money in 30 days?

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Plan A

$800

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Plan B

$700

2. Will Plan A or Plan B make you more money in 60 days?

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