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Variables with Dr. Seuss

VARIABLES with Dr. Seuss

Students will be able to:

Understand variables and their usage in a context.

Key Vocabulary:

- Variables
- Mental Math

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SAM'S DINER

Green Eggs	$2.25
Regular Eggs	$2.00
Ham	$1.50
Bacon	$1.25
Small Drink	$0.75
Large Drink	$1.00
Today's Special	$4.25

(Green Eggs, Ham, Large Drink)

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Ticket #1

$$G + H + S$$

- What was ordered?

- How much is the bill going to be?

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Orders:

Ticket #2:

$$X + G + S$$

Ticket #3:

$$2G + B$$

Ticket #3:

$$E + 3H + 2L$$

Ticket #2

$$X + G + S$$

Do you think this order was made one item at a time?

What is the total amount for the bill?

How do you know?

Ticket #3

$$2G + B$$

- What did this person order and what did it cost?
- Prove it!

Ticket #4

$$E + 3H + 2L$$

- What did this person order and what did it cost?
- Prove it!

Large Orders

Ticket #5: $2(G + H)$

Ticket #6: $(G + S) + 2H$

Ticket #7: $X + 3(E + L)$

Ticket #8: $3(E + B + L) + 2X$

Ticket #5

$$2(G + H)$$

- What was ordered?
- What is the cost?
- How did you figure that out?
- How else could we calculate the total price of this order?

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Ticket #6

$$(G + S) + 2H$$

- What was ordered?
- What is the cost?
- How did you figure that out?
- How else could we calculate the total price of this order?

Ticket #6

$$X + 3(E + L)$$

- What was ordered?
- What is the cost?
- How did you figure that out?
- How else could we calculate the total price of this order?

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Ticket #8

$$3(E + B + L) + 2X$$

- What did they order?
- How much will their bill be?
- How do you know?
- What is another way to calculate the cost?

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Suppose you have $10 to spend. What are some possible orders you can make? Get as close to $10 as you can without going over.

"Messed Up" Orders (What is Missing?)

Ticket #9:  $E + L = \$6.00$

Ticket #10: $X + 3$  $= \$6.50$

Ticket #11:  $G + H = \$10.50$

Ticket #12:  $+ G + B = \$6.50$

Ticket #9

$$E + L = \$6.00$$

- How many orders of eggs and a large drink was ordered on this ticket?

- How do you know?

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Ticket #10

$$X + 3\,\text{☁} = \$6.50$$

- What did they order 3 of?

- How do you know?

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Ticket #11

$$G + H = \$10.50$$

- How many orders of green eggs are on this ticket?

- How do you know?

Ticket #12

$$+ G + B = \$6.50$$

- What was ordered on ticket #12?

- How do you know?

- Are there other possibilities for the order? If so, what are they?

What would be a real-world situation for this equation?

$$2x + 4 = 24$$

- What is the missing information?
- What would the solution of the equation be?
- How did you determine it?

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