

Content and Language Objective:

Students will work through a line of fit problem to further develop their understanding and write predictions based on their graph.

Warm-Up

Find the slope using the given points.

1. (4, -8) and (12, 1)

$$\frac{1 - (-8)}{12 - 4} = \frac{9}{8}$$

2. (-3, -8) and (-6, -4)

$$\frac{-4 - (-8)}{-6 - (-3)} = \frac{4}{-3} = -\frac{4}{3}$$

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Line of fit

ELG A.7: Create equations that describe numbers or relationships

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What are the essential things to remember when creating a line of fit?

Do Not connect the dots

The line does not always start at $(0,0)$

Line is always straight

Line models the pattern of the data.

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What are some issues that you discovered when you worked on the problems from last week?

writing the equation

Finding exact points on the line

Interval setup

What goes on x and y .

Finding a good line

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To gain a better understanding of how a line of fit is supposed to work, each of you is going to work through a line of fit problem involving pizza toppings and prices.

We will also use spaghetti noodles to help find the best line of fit possible.

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