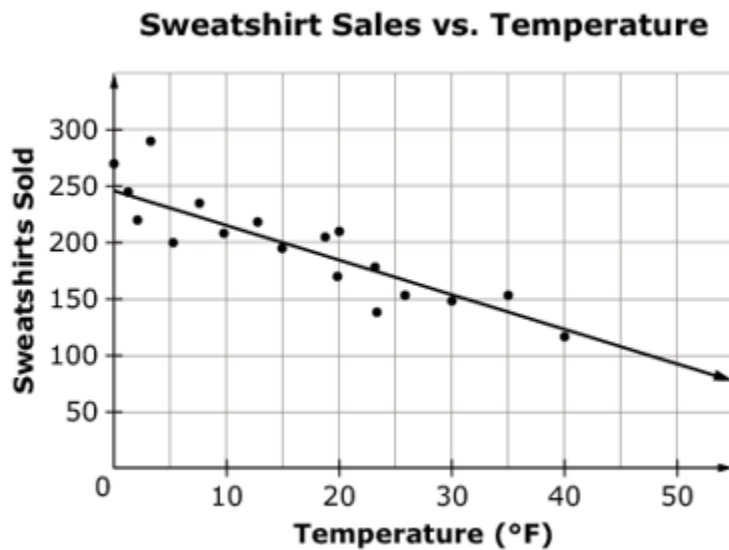


Smarter Balanced Assessment Item Illustrating 8.SP.A.3

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The scatter plot shows the relationship between the number of sweatshirts sold and the temperature outside.



The y -intercept of the estimated line of best fit is at $(0, b)$. Enter the approximate value of the b in the first response box.

Enter the approximate slope of the estimated line of best fit in the second response box.

y -intercept

slope

Answer Key

y-intercept—any value from 240 to 250; slope—any value from -3 to -4

Elaboration on Alignment

The estimated line of best fit connects the work of SP to the EE and F domains. This item also supports the major work of 8.F.4, which requires students to interpret the rate of change and initial value of a linear function in relation to the situation it models and its graph. Other items assessing 8.SP.A.3 should attend to the interpretation of the slope and intercept, which is a part of the standard but not addressed in this item.

Learn More

Learn more with the [Math Assessment Item Alignment Professional Development Modules](#).

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