

A Fishy Story

M019 scoring rubric

Math Domain

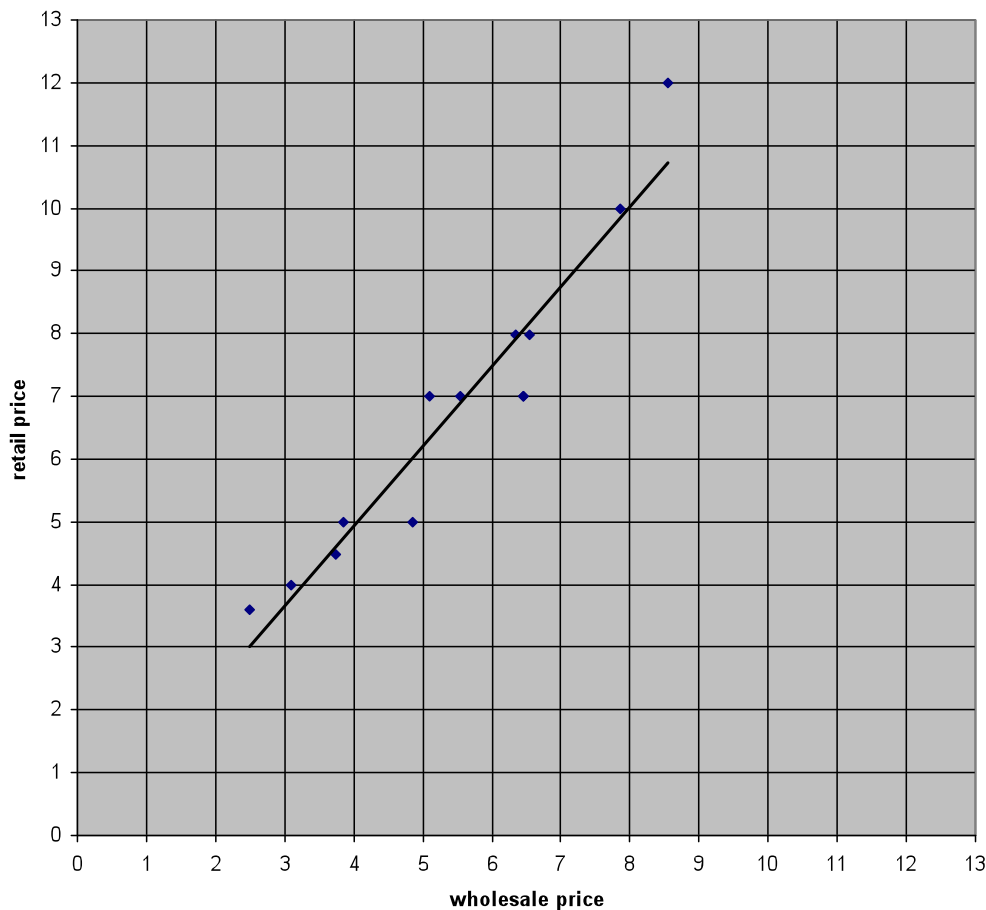
- | | | |
|---|--------------------------------------|--|
| <input type="checkbox"/> Number/Quantity | <input type="checkbox"/> Shape/Space | <input checked="" type="checkbox"/> Function/Pattern |
| <input checked="" type="checkbox"/> Chance/Data | <input type="checkbox"/> Arrangement | |

Math Actions (possible weights: 0 through 4)

- | | |
|--|--|
| <input type="text" value="2"/> Modeling/Formulating | <input type="text" value="2"/> Manipulating/Transforming |
| <input type="text" value="2"/> Inferring/Drawing Conclusions | <input type="text" value="2"/> Communicating |

Math Big Ideas

- | | | |
|--|---|--|
| <input type="checkbox"/> Scale | <input type="checkbox"/> Reference Frame | <input checked="" type="checkbox"/> Representation |
| <input type="checkbox"/> Continuity | <input type="checkbox"/> Boundedness | <input type="checkbox"/> Invariance/Symmetry |
| <input type="checkbox"/> Equivalence | <input type="checkbox"/> General/Particular | <input type="checkbox"/> Contradiction |
| <input type="checkbox"/> Use of Limits | <input type="checkbox"/> Approximation | <input type="checkbox"/> Other |



Since most of the points lay relatively close to the line, the relationship between wholesale and retail price is staying quite constant. Some students may notice that salmon and sole are outliers; the profit margin is smaller on these two fish.

	partial level (1 or 2)	full level (3)
Modeling/ Formulating (weight: 2)	Student is partially successful in presenting a graphic depiction for the line of best fit.	The graphic depiction for the line of best fit is correctly formulated.
Transforming/ Manipulating (weight: 2)	Some of the data points are plotted incorrectly, and/or the scale chosen for the axis is not reasonable or efficient.	All data points are plotted correctly, and the scale used on each axis is reasonable and appropriate.
Inferring/ Drawing Conclusions (weight: 2)	The student is able to use the information from questions 1 and 2 in a limited way to answer question 3 .	The answer to question 3 demonstrates that the relationship between the wholesale prices and the retail prices is clearly inferred.
Communicating (weight: 2)	Prose answers are unclear or incomplete and/or graph is imprecise, improperly labeled.	Prose answers are clear and complete; graph is precisely drawn and clearly labeled.