

3.13: Inquiry in Tutorial

Costa's Levels of Thinking and Questioning: Math

LEVEL 1	LEVEL 2	LEVEL 3
<ul style="list-style-type: none"> • What information is provided? • What are you being asked to find? • What formula would you use in this problem? • What does _____ mean? • What is the formula for ... ? • List the ... • Name the ... • Where did ... ? • What is ... ? • When did ... ? • Explain the concept of ... • Give me an example of ... • Describe in your own words what _____ means. • What mathematical concepts does this problem connect to? • Draw a diagram of ... • Illustrate how _____ works. 	<ul style="list-style-type: none"> • What additional information is needed to solve this problem? • Can you see other relationships that will help you find this information? • How can you put your data in graphic form? • What occurs when ... ? • Does it make sense to ... ? • Compare and contrast _____ to _____. • What was important about ... ? • What prior research/formulas support your conclusions? • How else could you account for ... ? • Explain how you calculate ... • What equation can you write to solve the word problem? 	<ul style="list-style-type: none"> • Predict what will happen to _____ as _____ is changed. • Using a math principle, how can we find ... ? • Describe the events that might occur if ... • Design a scenario for ... • Pretend you are ... • What would the world be like if ... ? • How can you tell if your answer is reasonable? • What would happen to _____ if _____ (variable) were increased/decreased? • How would repeated trials affect your data? • What significance is this formula to the subject you're learning? • What type of evidence is most compelling to you?

