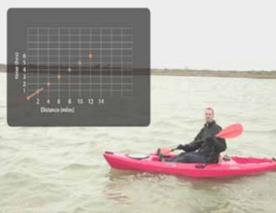




Houghton Mifflin Harcourt Math Programs

Supporting the Standards for Mathematical Practice Through Questioning

<p>Make sense of problems and persevere in solving them.</p>	<ul style="list-style-type: none"> • What is the problem asking? • What is another way to solve that problem? • What can you do if you don't know how to solve a problem? • How do you know your answer makes sense? 	
<p>Reason abstractly and quantitatively.</p>	<ul style="list-style-type: none"> • What operation did you use to represent the situation? • Why does that operation represent the situation? • What properties did you use to find the answer? • How do you know your answer is reasonable? 	
<p>Construct viable arguments and critique the reasoning of others.</p>	<ul style="list-style-type: none"> • Will that method always work? • Who can tell us about a different method? • What do you think will happen if...? • Why do you agree/disagree with what he said? 	
<p>Model with mathematics.</p>	<ul style="list-style-type: none"> • Why is that a good model for this problem? • How can you use a simpler problem to help you find the answer? • What conclusions can you make from your model? • How would you change your model if...? 	
<p>Use appropriate tools strategically.</p>	<ul style="list-style-type: none"> • What could you use to help you solve the problem? • What strategy could you use to make that calculation easier? • How would estimation help you solve that problem? • Why did you decide to use...? 	
<p>Attend to precision.</p>	<ul style="list-style-type: none"> • How do you know your answer is reasonable? • How can you use math vocabulary in your explanation? • How do you know those answers are equivalent? • What does that mean? 	
<p>Look for and make use of structure.</p>	<ul style="list-style-type: none"> • How did you discover that pattern? • What other patterns can you find? • What rule did you use to make this group? • How is that like...? 	
<p>Look for and express regularity in repeated reasoning.</p>	<ul style="list-style-type: none"> • What do you remember about...? • What happens when...? • What if you... instead of...? • What might be a shortcut for...? 	

