Breaking Down a Mathematics Standard

KAS: KY.8.SP.3

Statistics & Probability

Standards for Mathematical Practice	
MP.1. Make sense of problems and persevere in solving them. MP.2. Reason abstractly and quantitatively. MP.3. Construct viable arguments and critique the reasoning of others. MP.4. Model with mathematics.	MP.5. Use appropriate tools strategically. MP.6. Attend to precision. MP.7. Look for and make use of structure. MP.8. Look for and express regularity in repeated reasoning.
Cluster: What is the broader understanding that the standard plays a role in building? Investigating patterns of association in bivariate data.	
Identify the target of the standard: o conceptual understanding o procedural skill/fluency o application Consider how the target of the standard will have an impact on instruction and assessment. (For more information, refer to p. 7, 10 and 15 of KAS for Mathematics.) (Onceptual Understanding: students make sense of why a mathematical idea is impartant if the kinds of contexts in which it is useful. Students connect prior knowledge ideas to new ideas: concepts. Application: Students solve problems in a relevant meaningful way. Determine whether a solvier makes sense using reasoning. What key mathematics should students know and be able to do? interpret a slope is y-intercept All in Context!	 What are the specific representations/strategies that will need to be considered when planning instruction? brade 8 deals mainly with linear monlinear distinctions with statistical models. Students need to see examples of various contexts including the slope intercept are not useful. What are the possible misconceptions that will need to be addressed during instruction? After a line is fit through the data. The slope is intercept are approximated students have seen a lot of purectly linear patterns and will need to understand that these are models for predictions is should interpreted as such Coherence: Previous Grade → Current Standard → Upcoming Grade How does this standard build off of prior learning? How does this standard support future learning? Students are still the steepness of the related line, called the slope interpret linear models by the steepness of the related line, called the slope interpret linear models by the steepness of the related line, called the slope interpret linear models by the steepness of the related line, called the slope interpret linear models by the steepness of the related line, called the slope interpret linear models by the steepness of the related line, called the slope interpret linear models by the steepness of the related line, called the slope interpret linear models by the steepness of the related line, called the slope interpret linear models by the steepness of the related line, called the slope interpret linear models by the steepness of the related line, called the slope in the slope interpret linear models by the steepness of the related line with the slope interpret linear models by the slope i

What is the domain/conceptual category/big idea?

Attending to the Standards for Mathematical Practice

• How are students engaging in the mathematical practices as they learn this content? (For more information, refer to p. 12-15 of KAS for Mathematics.)

MP.2 -> Students contextualize decontextualize, attend to the meaning of quantities not just how to compute them

MP.4 -> Students routinely interpret their mathematical results in the context of the situation reflect on whether the

results make sense based on slopes, initial values, or the fit to the data.