Topic: Estimation and Computation **UNIT 2** **Unit Essential Question**: How can I use estimation and computation to solve problems?		
Concept #1: Estimation	**Concept #2**: Algorithms	**Concept #3**: Estimation Strategies and Landmarks
LEQ: When can estimation be more useful than an exact answer?	**LEQ**: How does having the choice of an algorithm more helpful to me in computation?	LEQ: What do statistical landmarks help me do?
Answer: Sometimes it's quicker to find the estimation when I don't need to know the exact answer.	**Answer**: Having a choice helps me use what works best for me and my math skills.	**Answer**: It helps me to organize and understand a set of data?
Vocabulary: estimate, place value, digit, median	**Vocabulary**: algorithm, partial sums, column addition, trade first subtraction and partial differences	**Vocabulary**: maximum, minimum, range, mode, median, mean

UEQ Answer: I use estimation to get an idea for the answer and choose my algorithm to solve the problem.		
Concept #4: Magnitude Estimates and Multiplication	**Concept #5**: Place Value	
LEQ: How does making a magnitude estimate help me better solve multi-digit multiplication problems?	**LEQ:** How do I compare the sizes of large numbers?	
Answer: Helps me know if my answer is reasonable or close.	**Answer**: The place value tells me how large or small the number will be.	r
Vocabulary: magnitude estimate, lattice method, partial products method,	**Vocabulary**: sample, place value	