SOME INTERCONNECTED PROPORTIONAL REASONING CONCEPTS

Understanding Rational Numbers

[understanding quantities that can be expressed fractionally]

Partitioning

[decomposing quantities into equal parts (or groups) through partitive division]

Scaling Up and Down

[using multiplicative reasoning to iterate quantities that co-vary]

Comparing Quantities and Change

[making comparisons between quantities that relate, co-vary, or change together]

Unitizing

[creating groups or "units" and using them for measuring quantities]

g Mu ng Spo

Measuring

[set, linear, area, and volume models]

Multiplicative Reasoning

[recognition and use of grouping or "units" to see relationships between numbers]

Relative Thinking

[describing the size of one quantity relative to the size of another]

Understanding Quantities and Change

[understanding how to work with quantities that relate, co-vary, or change together]

Spatial Reasoning

[composing, decomposing, visualizing, diagramming]



<u>kylep.ca/patprop</u>



Adapted From Paying Attention to Proportional Reasoning ~ Ontario Ministry of Education



MAKE MATH MOMENTS.COM