

MFM 2P - The Important Book

	Level 1	Level 2	Level 3	Level 4
Knowledge/ Understanding				
I can identify characteristics of a linear relation	Identifies few significant characteristics of linear relations	Identifies some significant characteristics of linear relations	Identifies most significant characteristics of linear relations	Thoroughly identifies significant characteristics of linear relations
I can identify characteristics of a quadratic relation	Identifies few significant characteristics of quadratic relations	Identifies some significant characteristics of quadratic relations	Identifies most significant characteristics of quadratic relations	Thoroughly identifies significant characteristics of quadratic relations
I can identify characteristics of a relation of linear relations (linear system)	Identifies few significant characteristics of linear systems	Identifies some significant characteristics of linear systems	Identifies most significant characteristics of linear systems	Thoroughly identifies significant characteristics of linear systems
I can identify characteristics of trigonometric relations	Identifies few significant characteristics of trigonometric relations	Identifies some significant characteristics of trigonometric relations	Identifies most significant characteristics of trigonometric relations	Thoroughly identifies significant characteristics of trigonometric relations
I can identify how 2D and 3D shapes and figures are related	Identifies few significant relationships between 2D and 3D shapes and figures	Identifies some significant relationships between 2D and 3D shapes and figures	Identifies most significant relationships between 2D and 3D shapes and figures	Thoroughly identifies significant relationships between 2D and 3D shapes and figures
Thinking				
I can reflect on mathematical concepts to assess how they can be used in different situations	Demonstrates ability to assess uses of concepts with limited effectiveness	Demonstrates ability to assess uses of concepts with some effectiveness	Demonstrates ability to assess the uses of concepts with considerable effectiveness	Demonstrates ability to assess the uses of concepts with a high degree of effectiveness

I can use creative thinking to demonstrate my understanding of mathematical concepts	Demonstrates ability to think creatively about math concepts with limited effectiveness	Demonstrates ability to think creatively about math concepts with some effectiveness	Demonstrates ability to think creatively about math concepts with considerable effectiveness	Demonstrates ability to think creatively about math concepts with a high degree of effectiveness
Communication				
I can use appropriate vocabulary to describe a representation	Uses mathematical vocabulary with limited fluency	Uses mathematical vocabulary with some fluency	Uses mathematical vocabulary with considerable fluency	Uses mathematical vocabulary with a high degree of fluency
I can represent mathematical ideas in a variety of different ways (e.g. in written text, graphically, pictorially)	Accurately represents mathematical ideas in a limited number of different ways	Accurately represents mathematical ideas in several different ways	Accurately represents mathematical ideas in a considerable breadth of different ways	Accurately represents mathematical ideas in a large breadth of different ways
Application				
I can relate mathematical concepts to other contexts and practical uses	Rarely recognizes the significance of mathematical concepts in other contexts and practical uses	Sometimes recognizes the significance of mathematical concepts in other contexts and practical uses	Usually recognizes the significance of mathematical concepts in other contexts and practical uses	Always recognizes the significance of mathematical concepts in other contexts and practical uses