

## Investigations Assessment Master Checklist – Grade 5

<b>Grade 5</b> *AM = Assessment Master page number from the sourcebook. The number or letter in parenthesis refers to the corresponding question on that page.		<b>Math Thinking Gr. 5</b>	<b>Picturing Polygons</b>	<b>Name That Portion</b>
<b>A. Mathematical Process</b>				
A1. Communicate mathematical ideas in a variety of ways using appropriate mathematical vocabulary, symbols, and notations.		AM 1 (1A) AM 3 (3B)		
A2. Explain solutions to problems clearly and logically in oral and written forms and support the solutions with evidence.		AM 1 (1B) AM 2 (2B) AM 4 (4B)		AM 10 (A,B) AM 11 (2B)
A3. Connect mathematical learning with other subjects.				
<b>B. Number and Operations</b>				
B1. Represent, order, and explain whole numbers, decimals, and fractions.		AM 4 (4A)		AM 10 (1A,B) AM 11 (2A,B) AM 13 (4A,B)
B2. Use appropriate computational procedures.		AM 2 (2A) AM 3 (3A)	AM 8 (3C)	AM 12 (3A,B)
B3. Estimate to determine if results are reasonable.		AM 3 (3A) AM 4 (4A)		AM 12 (3A)
<b>C. Geometry</b>				
C1. Use spatial reasoning and visualization.			AM 6 (1A) AM 8 (3B,C)	
C2. Describe characteristics of two and three dimensional figures, i.e. circles, trapezoids, spheres.			AM 6 (1C) AM 7 (2A,B)	
C3. Identify properties and relations such as symmetry and congruence.			AM 7 (2B) AM 8 (3A)	
C4. Use simple coordinate systems.			AM 6 (1A,B)	
<b>D. Measurement</b>				
D1. Recognize and use appropriate tools for measuring a variety of attributes, i.e. length, weight, volume, time . . . , with precision to the nearest degree of accuracy.				
D2. Compare and convert measurements using nonstandard and/or U.S. standard and metric systems.				
D3. Determine measurements by using basic relationships such as area and perimeter and determine approximate measurements by using estimation.				
<b>E. Statistics &amp; Probability</b>				
E1. Collect, organize, and display data in the context of real world situations.				A A
E2. Read, extract, and use information presented in graphs, tables, or charts.				
E3. Predict outcomes using data from a variety of sources.				A A
<b>F. Algebraic Relationships</b>				
F1. Use the vocabulary, symbols, and notation of algebra accurately.				
F2. Use patterns, expressions, equations, and/or inequalities to represent and solve problems in a variety of ways.				
Recognize and use properties and relationships of arithmetic.				

<b>Grade 5</b> *AM = Assessment Master page number from the sourcebook. The number or letter in parenthesis refers to the corresponding question on that page.		<b>Building on Numbers You Know</b>	<b>Measurement Benchmarks</b>	<b>Patterns of Change</b>

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A. Mathematical Process				
A1. Communicate mathematical ideas in a variety of ways using appropriate mathematical vocabulary, symbols, and notations.	AM 19 (1)			
A2. Explain solutions to problems clearly and logically in oral and written forms and support the solutions with evidence.	AM 19 (1)	AM 26 (3B)	AM 29 (1A)	AM 32 (1C)
A3. Connect mathematical learning with other subjects.			AM 30 (2B)	
B. Number and Operations				
B1. Represent, order, and explain whole numbers, decimals, and fractions.	AM 22 (4)			
B2. Use appropriate computational procedures.	AM 21 (3A,B,C) AM 22 (4)			AM 32 (1A)
B3. Estimate to determine if results are reasonable.				AM 32 (1B)
C. Geometry				
C1. Use spatial reasoning and visualization.				AM 32 (1B), AM 33 (2A)
C2. Describe characteristics of two and three dimensional figures, i.e. circles, trapezoids, spheres.				
C3. Identify properties and relations such as symmetry and congruence.				
C4. Use simple coordinate systems.			AM 30 (2A)	
D. Measurement				
D1. Recognize and use appropriate tools for measuring a variety of attributes, i.e. length, weight, volume, time . . . , with precision to the nearest degree of accuracy.		AM 24 (1B) AM 25 (2) AM 26 (3A)		AM 34 (3)
D2. Compare and convert measurements using nonstandard and/or U.S. standard and metric systems.		AM 24 (1A) AM 25 (2)		
D3. Determine measurements by using basic relationships such as area and perimeter and determine approximate measurements by using estimation.		AM 24 (1C) AM 27 (4)		
E. Statistics & Probability				
E1. Collect, organize, and display data in the context of real world situations.				
E2. Read, extract, and use information presented in graphs, tables, or charts.				
E3. Predict outcomes using data from a variety of sources.				
F. Algebraic Relationships				
F1. Use the vocabulary, symbols, and notation of algebra accurately.	AM 20 (2A)			AM 32 (1A)
F2. Use patterns, expressions, equations, and/or inequalities to represent and solve problems in a variety of ways.	AM 20 (2A,B,C)		AM 29 (1A)	AM 32 (1B) AM 33 (2A)
Recognize and use properties and relationships of arithmetic.		AM 27 (4)		