

MAP for Primary Grades Instructional Data: Mathematics Algebra

Skills: Attributes, Patterns and Functions

	Functions	Growing Patterns	Repeating Patterns
Students: (RIT 201-210)	<p>RIT 201-210:</p> <ul style="list-style-type: none"> <i>No Skills Listed</i> 	<p>RIT 201-210:</p> <p>203 Extends a pattern (growing; ABABBABBB; next eleven objects; manipulatives shown; geometric shapes)</p>	<p>RIT 201-210:</p> <ul style="list-style-type: none"> <i>No Skills Listed</i>
Students: (RIT191-200)	<p>RIT 191-200:</p> <p>199 Extends a function table (arithmetic; add 4; 1- and 2-digit input; nth output; real-world situation)</p> <p>198 Extends a function table (arithmetic; add 3; 1-digit input; nth output; real-world situation)</p> <p>194 Extends a function table (arithmetic; add \$0.50; 1-digit input; nth output; real-world situation)</p>	<p>RIT 191-200:</p> <p>195 Extends a pattern (arithmetic; add 3; next 3 terms)</p> <p>195 Infers a rule for a pattern (geometric; double previous term)</p>	<p>RIT 191-200:</p> <ul style="list-style-type: none"> <i>No Skills Listed</i>
Students: (RIT 181-190)	<p>RIT 181-190:</p> <p>182 Extends a function table (arithmetic; add 2; 1-digit input; next output; real-world situation)</p>	<p>RIT 181-190:</p> <p>187 Extends a pattern (arithmetic; add 2; next 3 terms)</p> <p>183 Infers a rule for a pattern (arithmetic; add 2)</p>	<p>RIT 181-190:</p> <p>184 Interprets a pattern (repeating; different rule, same objects; manipulatives shown; geometric shapes)</p> <p>184 Interprets a pattern (repeating; different rule, same objects; manipulatives shown; real-world objects)</p> <p>183 Extends a pattern (repeating; ABCDE; nth object; manipulatives shown; real-world objects)</p>
Students: (RIT 171-180)	<p>RIT 171-180:</p> <p>179 Extends a function table (arithmetic; add 4; 1-digit input; missing output; real-world situation)</p> <p>178 Extends a function table (arithmetic; add 4; 1-digit input; nth output; real-world situation)</p>	<p>RIT 171-180:</p> <p>179 Extends a pattern (arithmetic; subtract 3; next term)</p>	<p>RIT 171-180:</p> <p>180 Extends a pattern (repeating; ABCDE; nth object; manipulatives shown; geometric shapes)</p> <p>179 Extends a pattern (repeating; AABB; next five objects; manipulatives shown; geometric shapes)</p> <p>177 Illustrates a pattern using a given rule (repeating; ABBC; manipulatives shown; real-world objects)</p> <p>176 Illustrates a pattern using a given rule (repeating; ABC; manipulatives shown; geometric shapes)</p> <p>176 Illustrates the repeating portion of a pattern (AB; manipulatives shown; geometric shapes)</p> <p>176 Interprets a pattern (repeating; same rule, different objects; ABCC; manipulatives shown; geometric shapes)</p> <p>174 Interprets a pattern (repeating; same rule, different objects; AAABBC; manipulatives shown; real-world objects)</p> <p>172 Interprets a pattern (repeating; same rule, different objects; ABB; manipulatives shown; real-world objects; geometric shapes)</p> <p>171 Extends a pattern (repeating; ABC; next two objects; manipulatives shown; geometric shapes)</p>

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Skills: Attributes, Patterns and Functions

	Functions, cont.	Growing Patterns, cont.	Repeating Patterns, cont.
Students: (RIT 161-170)	RIT 161-170: <ul style="list-style-type: none"> <i>No Skills Listed</i> 	RIT 161-170: <ul style="list-style-type: none"> <i>No Skills Listed</i> 	RIT 161-170: <p>169 Extends a pattern (repeating; AB; next six objects; manipulatives shown; geometric shapes)</p> <p>168 Extends a pattern (repeating; ABCD; next object; manipulatives shown; geometric shapes)</p> <p>165 Interprets a pattern (repeating; same rule, different objects; AAB; manipulatives shown; real-world objects)</p> <p>162 Extends a pattern (repeating; ABC; next three numbers; numerals shown)</p> <p>162 Illustrates a pattern using a given rule (repeating; AAB; manipulatives shown; real-world objects)</p> <p>162 Illustrates the repeating portion of a pattern (AAAB; manipulatives shown; geometric shapes)</p> <p>162 Illustrates the repeating portion of a pattern (ABC; manipulatives shown; geometric shapes)</p> <p>161 Interprets a pattern (repeating; same rule, different objects; AAB; manipulatives shown; geometric shapes)</p>
Students: (RIT 151-160)	RIT 151-160: <ul style="list-style-type: none"> <i>No Skills Listed</i> 	RIT 151-160: <ul style="list-style-type: none"> <i>No Skills Listed</i> 	RIT 151-160: <p>160 Illustrates the repeating portion of a pattern (ABCC; numerals shown)</p> <p>160 Interprets a pattern (repeating; same rule, different letters; AAAB; using letters)</p> <p>159 Extends a pattern (repeating; AAB; real-world object; next three objects)</p> <p>159 Extends a pattern (repeating; AB; next two objects; manipulatives shown; geometric shapes)</p> <p>159 Extends a pattern (repeating; ABB; next three numbers; letters shown)</p> <p>155 Illustrates the repeating portion of a pattern (AAB; manipulatives shown; geometric shapes)</p> <p>151 Extends a pattern (repeating; AB; next two objects; numerals shown)</p>
Students: (RIT 141-150)	RIT 141-150: <ul style="list-style-type: none"> <i>No Skills Listed</i> 	RIT 141-150: <ul style="list-style-type: none"> <i>No Skills Listed</i> 	RIT 141-150: <p>149 Extends a pattern (repeating; AABC; next four objects; using real-world objects)</p> <p>149 Extends a pattern (repeating; AABC; next object; manipulatives shown; geometric shapes)</p> <p>146 Infers a rule for a pattern (repeating; ABC; manipulatives shown; geometric shapes)</p> <p>144 Illustrates the repeating portion of a pattern (AB; manipulatives shown; letters shown)</p> <p>142 Extends a pattern (repeating; AB; next object; manipulatives shown; geometric shapes)</p> <p>141 Extends a pattern (repeating; AB; next three objects; manipulatives shown; geometric shapes)</p>
Students: (RIT 131-140)	RIT 131-140: <ul style="list-style-type: none"> <i>No Skills Listed</i> 	RIT 131-140: <ul style="list-style-type: none"> <i>No Skills Listed</i> 	RIT 131-140: <p>140 Extends a pattern (repeating; AAB; next object; manipulatives shown; geometric shapes)</p>
Students: (RIT 111-130)	RIT 111-130: <ul style="list-style-type: none"> <i>No Skills Listed</i> 	RIT 111-130: <ul style="list-style-type: none"> <i>No Skills Listed</i> 	RIT 111-130: <p>119 Extends a pattern (repeating; AB; next object; manipulatives shown; real-world objects)</p>