***Learning Targets for Unit 6 Sequences***

***Overall Learning Target: “I can investigate sequences and use my knowledge to solve problems.”***

**Learning Target #1:** “I can recognize that sequences are functions with limited domain.” F-IF-3

**Learning Target #2:** “I can identify sequences as either arithmetic or geometric.”

**Learning Target #3:** “I can construct arithmetic sequences in the four representations: situation, table, graph, and equation, and use them to model situations.” F-LE-2, F-BF-2

**Learning Target #4:** “I can construct geometric sequences in the four representations: situation, table, graph, and equation, and use them to model situations.” F-LE-2, F-BF-2

**Learning Target #5:** “I can write arithmetic and geometric sequences both explicitly and recursively.” F-BF-2

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| **Learning Targets** | **Formative Assessments** | | | **Sum Asst** |
| **#1:** “I can recognize that sequences are functions with limited domain.” F-IF-3 |  |  |  |  |
| **#2:** “I can identify sequences as either arithmetic or geometric.” |  |  |  |  |
| **#3:** “I can construct arithmetic sequences in the four representations: situation, table, graph, and equation, and use them to model situations.” F-LE-2, F-BF-2 |  |  |  |  |
| **#4:** “I can construct geometric sequences in the four representations: situation, table, graph, and equation, and use them to model situations.” F-LE-2, F-BF-2 |  |  |  |  |
| **#5:** “I can write arithmetic and geometric sequences both explicitly and recursively.” F-BF-2 |  |  |  |  |

**INTENTIONAL PRACTICE**

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| **Learning Targets** | **Practice Problems- Circle the ones you have completed** |
| **#1:** “I can recognize that sequences are functions with limited domain.” F-IF-3 | 5-56, 5-64, 5-111, 5-112, 5-113, 5-114, 5-117, 5-118, 5-123 AND *Parent Guide: Intro to Sequences* |
| **#2:** “I can identify sequences as either arithmetic or geometric.” | 5-41, 5-43, 5-44, 5-56, 5-57, 5-82, 5-83, 5-85, 5-105, CL 5-124 AND *Parent Guide: Patterns of Growth* |
| **#3:** “I can construct arithmetic sequences in the four representations: situation, table, graph, and equation, and use them to model situations.” F-LE-2, F-BF-2 | 5-57, 5-58, 5-59, 5-60, 5-61, 5-62, 5-63, 5-64, 5-65, 5-66, 5-67, 5-82, 5-83, 5-111, 5-199a, 5-122, CL 5-125 AND *Parent Guide: Equations for Sequences* |
| **#4:** “I can construct geometric sequences in the four representations: situation, table, graph, and equation, and use them to model situations.” F-LE-2, F-BF-2 | 5-82, 5-83, 5-91, 5-92, 5-93, 5-94, 5-95, 5-96, 5-97, 5-98, 5-99, 5-100, 5-101, 5-102, 5-103, 5-112, 5-114, 5-115, 5-117, 5-118, 5-119b, CL 5-125 AND *Parent Guide: Equations for Sequences* |
| **#5:** “I can write arithmetic and geometric sequences both explicitly and recursively.” F-BF-2 | 5-71, 5-72, 5-73, 5-74, 5-75, 5-76, 5-77, 5-87, 5-96, 5-106, 5-108, CL 5-130 |

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| **Review Problems**: 5-68, 5-69, 5-70, 5-78, 5-79, 5-80, 5-81, 5-86, 5-89, 5-90, 5-104, 5-107, 5-109, 5-120, 5-121, 5-123, CL 5-126, CL 5-127, CL 5-128, CL 5-129, CL 5-131, CL 5-132 |