Mathematics Targets

Thumb Area Student Achievement Model   ●   August 27, 2009

Tests of Early Numeracy

Oral Counting Measure (OCM)

	Fall			Winter			Spring		
	Tier 3	Tier 2	Target	Tier 3	Tier 2	Target	Tier 3	Tier 2	Target
K	12	20	37	28	42	59	39	56	69
1	39	56	69	55	67	78	62	73	83

Number Identification Measure (NIM)

	Fall			Winter			Spring		
	Tier 3	Tier 2	Target	Tier 3	Tier 2	Target	Tier 3	Tier 2	Target
K	2	12	30	20	35	49	35	46	56
1	15	27	41	34	47	57	40	51	61

Quantity Discrimination Measure (QDM)

	Fall			Winter			Spring		
	Tier 3	Tier 2	Target	Tier 3	Tier 2	Target	Tier 3	Tier 2	Target
K	0	4	10	5	10	19	10	19	27
1	4	12	21	15	23	30	20	26	31

Missing Number Measure (MNM)

	Fall			Winter			Spring		
	Tier 3	Tier 2	Target	Tier 3	Tier 2	Target	Tier 3	Tier 2	Target
K	0	0	4	1	5	10	5	9	13
1	2	6	10	8	11	15	8	12	15

KINDERGARTEN AND FIRST GRADE

For screening purposes, we recommend the Number Identification Measure (NIM) for the fall of Kindergarten. For the fall of First Grade, we recommend either Quantity Discrimination (QDM) or Missing Number (MNM) to identify students at risk.

To monitor progress, the Quantity Discrimination Measure (QDM) represents the primary skill in which most Kindergarten students are expected to grow. To monitor student growth during First Grade, use the CBM Computation measure.

As always, the precise measures used with each student or group of students will be determined by local teams based on student need.

Mathematics Computation

CBM

	Fall			Winter			Spring		
	Tier 3	Tier 2	Target	Tier 3	Tier 2	Target	Tier 3	Tier 2	Target
1	0	2	5	4	7	11	6	10	15
2	5	7	10	10	15	22	11	16	22
3	9	11	15	12	18	24	15	21	28
4	16	24	33	23	33	44	27	38	52
5	16	23	30	19	28	38	25	35	47

Rational Computation Measure (M-RCM)

	Fall			Winter			Spring		
	Tier 3	Tier 2	Target	Tier 3	Tier 2	Target	Tier 3	Tier 2	Target
~~7~~	~~6~~	~~12~~	~~22~~	~~10~~	~~18~~	~~28~~	~~12~~	~~20~~	~~30~~
6									

Algebra Measures

Algebra Basic Skills (A-BSM)

	Fall			Winter			Spring		
	Tier 3	Tier 2	Target	Tier 3	Tier 2	Target	Tier 3	Tier 2	Target
6	4	7	9	5	9	12	6	11	14
7									

Algebra Foundations (A-AFM)

	Fall			Winter			Spring		
	Tier 3	Tier 2	Target	Tier 3	Tier 2	Target	Tier 3	Tier 2	Target
7	3	6	9	4	8	12	5	10	15
8	7	10	14	8	12	17	9	14	20
9+	7	11	16	8	13	19	9	15	22

Content Analysis (A-CAM)

	Fall			Winter			Spring		
	Tier 3	Tier 2	Target	Tier 3	Tier 2	Target	Tier 3	Tier 2	Target
8	2?	6?	12?	4?	8?	15?	5?	12?	20?
9+	~~0~~ 3	~~6~~ 10	~~12~~ 18	~~3~~ 6	~~9~~ 13	~~16~~ 21	~~5~~ 12	~~12~~ 17	~~20~~ 24

Targets changed for 2009-2010.
New measure at this grade; tentative targets will be established and adjusted throughout the year.