

This document provides information about the Star CBM Percentile Rank (PR) scores associated with seasonal Benchmarks and about how Percentile Ranks relate to Correct Per Minute (CPM) scores for each measure.

Reading

Seasonal Benchmarks for Reading: Percentile Ranks and Correct Per Minute Score Ranges Associated with Benchmark Categories by Grade and Season

Letter Naming

Benchmark Category	PRs Associated with Benchmark	Grade K Fall	Grade K Winter	Grade K Spring
At/Above Benchmark	40 and above	25 and above	38 and above	49 and above
On Watch	20 to 39	11 to 24	27 to 37	38 to 48
Intervention	1 to 19	0 to 10	0 to 26	0 to 37

Letter Sounds

Benchmark Category	PRs Associated with Benchmark	Grade K Fall	Grade K Winter	Grade K Spring	Grade 1 Fall
At/Above Benchmark	40 and above	16 and above	30 and above	42 and above	47 and above
On Watch	20 to 39	6 to 15	19 to 29	31 to 41	39 to 46
Intervention	1 to 19	0 to 5	0 to 18	0 to 30	0 to 38

Phoneme Segmentation

Benchmark Category	PRs Associated with Benchmark	Grade K			Grade 1		
		Fall	Winter	Spring	Fall	Winter	Spring
At/Above Benchmark	40 and Above	8 and above	15 and above	20 and above	20 and above	22 and above	24 and above
On Watch	20 to 39	1 to 7	9 to 14	14 to 19	16 to 19	18 to 21	20 to 23
Intervention	1 to 19	0	0 to 8	0 to 13	0 to 15	0 to 17	0 to 19

Receptive Nonsense Words

Benchmark Category	PRs Associated with Benchmark	Grade K Fall	Grade K Winter	Grade K Spring
At/Above Benchmark	40 and above	7 and above	11 and above	14 and above
On Watch	20 to 39	4 to 6	7 to 10	10 to 13
Intervention	1 to 19	0 to 3	0 to 6	0 to 9

Expressive Nonsense Words

Benchmark Category	PRs Associated with Benchmark	Grade 1			Grade 2		
		Fall	Winter	Spring	Fall	Winter	Spring
At/Above Benchmark	40 and Above	13 and above	16 and above	21 and above	24 and above	28 and above	33 and above
On Watch	20 to 39	9 to 12	12 to 15	17 to 20	16 to 23	18 to 27	23 to 32
Intervention	1 to 19	0 to 8	0 to 11	0 to 16	0 to 15	0 to 17	0 to 22

Passage Oral Reading

Benchmark Category and PRs in Category	Grade 1			Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
At/Above Benchmark: 40 and above	23 and above	35 and above	49 and above	81 and above	91 and above	102 and above	106 and above	112 and above	118 and above
On Watch: 20 to 39	14 to 22	21 to 34	35 to 48	54 to 80	65 to 90	76 to 101	80 to 105	88 to 111	94 to 117
Intervention: 1 to 19	0 to 13	0 to 20	0 to 34	0 to 53	0 to 64	0 to 75	0 to 79	0 to 87	0 to 93

Benchmark Category and PRs in Category	Grade 4			Grade 5			Grade 6		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
At/Above Benchmark: 40 and above	98 and above	117 and above	128 and above	117 and above	130 and above	141 and above	134 and above	147 and above	158 and above
On Watch: 20 to 39	76 to 97	93 to 116	102 to 127	89 to 116	103 to 129	113 to 140	114 to 133	125 to 146	131 to 157
Intervention: 1 to 19	0 to 75	0 to 92	0 to 101	0 to 88	0 to 102	0 to 112	0 to 113	0 to 124	0 to 130

Rapid Color Naming

Benchmark Category	PRs Associated with Benchmark	Grade K			Grade 1		
		Fall	Winter	Spring	Fall	Winter	Spring
At/Above Benchmark	20 and above	33 and above	33 and above	33 and above	40 and above	40 and above	40 and above
At Risk	1 to 19	0 to 32	0 to 32	0 to 32	0 to 39	0 to 39	0 to 39

Benchmark Category	PRs Associated with Benchmark	Grade 2			Grade 3		
		Fall	Winter	Spring	Fall	Winter	Spring
At/Above Benchmark	20 and Above	48 and above	48 and above	48 and above	51 and above	51 and above	51 and above
At Risk	1 to 19	0 to 47	0 to 47	0 to 47	0 to 50	0 to 50	0 to 50

Rapid Letter Naming

Benchmark Category	PRs Associated with Benchmark	Grade K			Grade 1		
		Fall	Winter	Spring	Fall	Winter	Spring
At/Above Benchmark	20 and above	25 and above	25 and above	25 and above	40 and above	40 and above	40 and above
At Risk	1 to 19	0 to 24	0 to 24	0 to 24	0 to 39	0 to 39	0 to 39

Benchmark Category	PRs Associated with Benchmark	Grade 2			Grade 3		
		Fall	Winter	Spring	Fall	Winter	Spring
At/Above Benchmark	20 and Above	59 and above	59 and above	59 and above	62 and above	62 and above	62 and above
At Risk	1 to 19	0 to 58	0 to 58	0 to 58	0 to 61	0 to 61	0 to 61

Rapid Number Naming

Benchmark Category	PRs Associated with Benchmark	Grade K			Grade 1		
		Fall	Winter	Spring	Fall	Winter	Spring
At/Above Benchmark	20 and above	33 and above	33 and above	33 and above	48 and above	48 and above	48 and above
At Risk	1 to 19	0 to 32	0 to 32	0 to 32	0 to 47	0 to 47	0 to 47

Benchmark Category	PRs Associated with Benchmark	Grade 2			Grade 3		
		Fall	Winter	Spring	Fall	Winter	Spring
At/Above Benchmark	20 and Above	61 and above	61 and above	61 and above	68 and above	68 and above	68 and above
At Risk	1 to 19	0 to 60	0 to 60	0 to 60	0 to 67	0 to 67	0 to 67

Rapid Picture Naming

Benchmark Category	PRs Associated with Benchmark	Grade K			Grade 1		
		Fall	Winter	Spring	Fall	Winter	Spring
At/Above Benchmark	20 and above	30 and above	30 and above	30 and above	38 and above	38 and above	38 and above
At Risk	1 to 19	0 to 29	0 to 29	0 to 29	0 to 37	0 to 37	0 to 37

Benchmark Category	PRs Associated with Benchmark	Grade 2			Grade 3		
		Fall	Winter	Spring	Fall	Winter	Spring
At/Above Benchmark	20 and Above	46 and above	46 and above	46 and above	49 and above	49 and above	49 and above
At Risk	1 to 19	0 to 45	0 to 45	0 to 45	0 to 48	0 to 48	0 to 48

Percentile Rank (PR) to Correct Per Minute (CPM) Conversion Tables

Note: If your district uses different benchmark categories from the default categories used in Star CBM (see the previous pages), use the following tables to find the Correct Per Minute scores that correspond to the Percentile Ranks that you use for your categories. If one of those Percentile Ranks does not have a matching Correct Per Minute score (you see “—” instead of a score in the table), find the next highest Percentile Rank with an available Correct Per Minute score, and use that Correct Per Minute score as the benchmark.

Letter Naming

Letter Naming – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade K Fall	Grade K Winter	Grade K Spring
1	—	0	0
2	0	3	14
3	—	6	17
4	1	8	19
5	—	9	20
6	—	11	22
7	2	13	24
8	3	14	25
9	—	16	27
10	4	17	28
11	5	19	30
12	—	20	31
13	6	21	32
14	—	22	33
15	7	—	—
16	8	23	34
17	9	24	35
18	—	—	—
19	10	25	36
20	11	—	—
21	—	27	38

Letter Naming – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade K Fall	Grade K Winter	Grade K Spring
22	12	28	39
23	13	–	–
24	14	29	40
25	–	–	–
26	15	30	41
27	16	31	42
28	17	–	–
29	–	32	43
30	18	–	–
31	19	–	–
32	20	33	44
33	–	–	–
34	21	34	45
35	–	35	46
36	22	–	–
37	23	36	47
38	–	–	–
39	24	37	48
40	–	–	–
41	25	38	49
42	26	–	–
43	–	–	–
44	27	39	50
45	–	–	–
46	28	40	51
47	–	–	–
48	29	41	52
49	30	–	–

Letter Naming – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade K Fall	Grade K Winter	Grade K Spring
50	–	–	–
51	–	42	53
52	31	–	–
53	–	43	54
54	32	–	–
55	–	–	–
56	33	44	55
57	–	–	–
58	34	45	56
59	–	–	–
60	35	46	57
61	36	–	–
62	–	47	58
63	–	–	–
64	37	48	59
65	38	–	–
66	–	49	60
67	39	–	–
68	–	–	–
69	–	50	61
70	40	–	–
71	41	–	–
72	–	51	62
73	42	–	–
74	43	52	63
75	–	53	64
76	44	–	–
77	–	54	65

Letter Naming – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade K Fall	Grade K Winter	Grade K Spring
78	45	55	66
79	–	–	–
80	46	–	–
81	–	56	67
82	47	57	68
83	48	–	–
84	49	58	69
85	50	–	–
86	–	59	70
87	51	60	71
88	52	61	72
89	53	62	73
90	54	63	74
91	56	64	75
92	57	65	76
93	58	66	77
94	59	67	78
95	61	69	80
96	63	71	82
97	64	73	84
98	69	76	87
99	74	83	94

Letter Sounds

Letter Sounds – Percentile Rank to Correct Per Minute				
Percentile Rank (PR)	Grade K Fall	Grade K Winter	Grade K Spring	Grade 1 Fall
1	–	0	0	0
2	–	1	13	17
3	–	2	14	23
4	–	3	15	25
5	–	5	17	26
6	0	6	18	28
7	–	7	19	29
8	–	8	20	30
9	1	9	21	31
10	–	10	22	32
11	–	11	23	–
12	2	–	–	33
13	–	12	24	34
14	–	13	25	–
15	3	15	27	35
16	–	16	28	36
17	4	–	–	37
18	–	17	29	–
19	5	18	30	38
20	6	19	31	–
21	–	–	–	39
22	–	20	32	–
23	7	–	–	40
24	–	21	33	–
25	8	22	34	41
26	–	–	–	–

Letter Sounds – Percentile Rank to Correct Per Minute				
Percentile Rank (PR)	Grade K Fall	Grade K Winter	Grade K Spring	Grade 1 Fall
27	9	23	35	–
28	–	–	–	42
29	10	24	36	–
30	–	–	–	–
31	11	25	37	43
32	–	26	38	–
33	12	–	–	–
34	–	–	–	44
35	13	27	39	45
36	–	–	–	–
37	14	28	40	–
38	–	–	–	46
39	15	29	41	–
40	–	–	–	–
41	16	30	42	–
42	–	–	–	47
43	17	31	43	–
44	–	–	–	48
45	18	–	–	–
46	–	32	44	49
47	19	–	–	–
48	–	33	45	–
49	20	–	–	50
50	–	–	–	–
51	–	–	–	–
52	21	34	46	51
53	–	–	–	–
54	22	35	47	–

Letter Sounds – Percentile Rank to Correct Per Minute				
Percentile Rank (PR)	Grade K Fall	Grade K Winter	Grade K Spring	Grade 1 Fall
55	–	–	–	52
56	23	36	48	–
57	–	–	–	53
58	24	37	49	–
59	–	–	–	54
60	25	–	–	–
61	–	38	50	–
62	26	–	–	55
63	–	39	51	–
64	27	–	–	56
65	–	–	–	–
66	28	40	52	–
67	29	–	–	57
68	–	41	53	–
69	30	–	–	–
70	–	42	54	58
71	31	–	–	–
72	–	43	55	59
73	32	–	–	–
74	–	44	56	60
75	33	–	–	–
76	–	45	57	61
77	34	–	–	–
78	35	46	58	62
79	36	–	–	–
80	–	47	59	63
81	37	48	60	–
82	38	–	–	64

Letter Sounds – Percentile Rank to Correct Per Minute				
Percentile Rank (PR)	Grade K Fall	Grade K Winter	Grade K Spring	Grade 1 Fall
83	–	49	61	–
84	39	–	–	65
85	40	50	62	–
86	–	51	63	66
87	41	–	–	–
88	42	52	64	67
89	43	53	65	69
90	–	54	66	69
91	44	55	67	70
92	45	57	69	71
93	46	58	70	72
94	47	59	71	73
95	49	60	72	75
96	50	61	73	76
97	53	64	76	78
98	55	66	78	79
99	59	69	81	80

Phoneme Segmentation

Phoneme Segmentation – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade K			Grade 1		
	Fall	Winter	Spring	Fall	Winter	Spring
1	–	–	0	0	0	0
2	–	–	–	5	8	10
3	–	–	–	7	9	11
4	–	0	5	8	10	12

Phoneme Segmentation – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade K			Grade 1		
	Fall	Winter	Spring	Fall	Winter	Spring
5	–	–	–	9	11	13
6	–	–	–	10	12	14
7	–	1	6	–	13	15
8	–	2	7	11	–	–
9	–	–	–	–	14	16
10	–	3	8	12	–	–
11	–	–	–	–	15	17
12	–	4	9	–	–	–
13	–	–	–	13	–	–
14	0	5	10	–	16	18
15	–	–	–	14	–	–
16	–	6	11	–	–	–
17	–	7	12	–	–	–
18	–	–	–	15	17	19
19	–	8	13	–	–	–
20	1	–	–	–	–	–
21	–	–	–	–	18	20
22	–	9	14	16	–	–
23	–	10	15	–	–	–
24	2	–	–	–	–	–
25	–	–	–	–	19	21
26	–	11	16	17	–	–
27	3	–	–	–	–	–
28	–	–	–	–	–	–
29	–	12	17	–	–	–
30	–	–	–	–	–	–
31	4	–	–	18	20	22

Phoneme Segmentation – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade K			Grade 1		
	Fall	Winter	Spring	Fall	Winter	Spring
32	–	13	18	–	–	–
33	5	–	–	–	–	–
34	–	–	–	–	–	–
35	6	14	19	–	–	–
36	–	–	–	19	–	–
37	–	–	–	–	–	–
38	7	–	–	–	21	23
39	–	–	–	–	–	–
40	–	15	20	–	–	–
41	8	–	–	–	–	–
42	–	–	–	–	–	–
43	–	–	–	20	–	–
44	9	16	21	–	22	24
45	–	–	–	–	–	–
46	–	–	–	–	–	–
47	10	–	–	–	–	–
48	–	17	22	–	–	–
49	–	–	–	–	–	–
50	–	–	–	21	23	25
51	11	–	–	–	–	–
52	–	–	–	–	–	–
53	–	18	23	–	–	–
54	12	–	–	–	–	–
55	–	–	–	–	–	–
56	–	–	–	–	24	26
57	–	–	–	22	–	–
58	–	19	24	–	–	–

Phoneme Segmentation – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade K			Grade 1		
	Fall	Winter	Spring	Fall	Winter	Spring
59	13	–	–	–	–	–
60	–	–	–	–	–	–
61	14	–	–	–	–	–
62	–	20	25	–	25	27
63	–	–	–	23	–	–
64	–	–	–	–	–	–
65	15	–	–	–	–	–
66	–	–	–	–	–	–
67	–	–	–	–	–	–
68	16	21	26	–	26	28
69	–	–	–	–	–	–
70	–	–	–	24	–	–
71	17	–	–	–	–	–
72	–	22	27	–	–	–
73	–	–	–	–	–	–
74	–	–	–	–	27	29
75	18	–	–	–	–	–
76	–	–	–	25	–	–
77	–	23	28	–	–	–
78	19	–	–	–	–	–
79	–	–	–	–	28	30
80	–	24	29	–	–	–
81	–	–	–	26	–	–
82	20	–	–	–	–	–
83	–	25	30	–	29	31
84	–	–	–	–	–	–
85	21	–	–	27	–	–

Phoneme Segmentation – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade K			Grade 1		
	Fall	Winter	Spring	Fall	Winter	Spring
86	–	–	–	–	–	–
87	–	26	31	–	30	32
88	22	–	–	–	–	–
89	–	–	–	28	–	–
90	–	27	32	–	–	–
91	23	–	–	–	31	33
92	–	–	–	29	–	–
93	24	28	33	–	32	34
94	25	–	–	30	–	–
95	26	29	34	31	33	35
96	27	30	35	32	34	36
97	28	31	36	33	35	37
98	29	32	37	35	37	39
99	30	35	40	40	40	42

Receptive Nonsense Words

Receptive Nonsense Words – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade K Fall	Grade K Winter	Grade K Spring
1	–	–	0
2	–	0	3
3	0	–	–
4	–	1	4
5	–	2	5
6	1	–	–
7	–	3	6

Receptive Nonsense Words – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade K Fall	Grade K Winter	Grade K Spring
8	2	–	–
9	–	–	–
10	–	4	7
11	–	–	–
12	3	–	–
13	–	5	8
14	–	–	–
15	–	–	–
16	–	–	–
17	–	–	–
18	–	6	9
19	–	–	–
20	–	–	–
21	–	–	–
22	4	7	10
23	–	–	–
24	–	–	–
25	–	–	–
26	5	–	–
27	–	8	11
28	–	–	–
29	–	–	–
30	–	–	–
31	–	–	–
32	6	9	12
33	–	–	–
34	–	–	–
35	–	–	–

Receptive Nonsense Words – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade K Fall	Grade K Winter	Grade K Spring
36	–	–	–
37	–	–	–
38	–	–	–
39	–	10	13
40	–	–	–
41	–	–	–
42	7	–	–
43	–	–	–
44	–	–	–
45	–	–	–
46	–	–	–
47	8	11	14
48	–	–	–
49	–	–	–
50	–	–	–
51	–	–	–
52	–	–	–
53	–	–	–
54	9	12	15
55	–	–	–
56	–	–	–
57	–	–	–
58	–	–	–
59	–	–	–
60	–	–	–
61	–	13	16
62	–	–	–
63	–	–	–

Receptive Nonsense Words – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade K Fall	Grade K Winter	Grade K Spring
64	10	–	–
65	–	–	–
66	–	–	–
67	–	–	–
68	–	–	–
69	–	14	17
70	11	–	–
71	–	–	–
72	–	–	–
73	–	–	–
74	–	–	–
75	–	15	18
76	–	–	–
77	–	–	–
78	–	–	–
79	12	–	–
80	–	–	–
81	–	–	–
82	–	16	19
83	–	–	–
84	–	–	–
85	13	–	–
86	–	–	–
87	–	17	20
88	–	–	–
89	–	–	–
90	–	–	–
91	14	18	21

Receptive Nonsense Words – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade K Fall	Grade K Winter	Grade K Spring
92	–	–	–
93	–	–	–
94	15	19	22
95	–	–	–
96	–	–	–
97	16	20	23
98	–	22	25
99	18	24	27

Expressive Nonsense Words

Expressive Nonsense Words – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade 1			Grade 2		
	Fall	Winter	Spring	Fall	Winter	Spring
1	0	0	0	0	0	0
2	1	3	8	3	5	10
3	–	4	9	5	7	12
4	2	5	10	6	8	13
5	–	–	–	7	9	14
6	3	6	11	8	10	15
7	–	–	–	9	11	16
8	4	7	12	–	12	17
9	5	–	–	10	–	–
10	–	8	13	11	13	18
11	6	–	–	–	–	–
12	–	–	–	12	14	19
13	–	9	14	–	–	–

Expressive Nonsense Words – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade 1			Grade 2		
	Fall	Winter	Spring	Fall	Winter	Spring
14	7	–	–	–	15	20
15	–	–	–	13	–	–
16	–	10	15	–	16	21
17	–	–	–	14	–	–
18	8	–	–	15	17	22
19	–	11	16	–	–	–
20	–	–	–	–	18	23
21	9	–	–	16	–	–
22	–	–	–	–	19	24
23	–	12	17	–	–	–
24	–	–	–	17	20	25
25	10	–	–	–	–	–
26	–	–	–	18	21	26
27	–	13	18	–	22	27
28	–	–	–	–	–	–
29	11	–	–	19	23	28
30	–	–	–	–	–	–
31	–	–	–	20	–	–
32	–	14	19	–	24	29
33	–	–	–	21	–	–
34	12	–	–	–	25	30
35	–	–	–	22	–	–
36	–	15	20	–	26	31
37	–	–	–	23	–	–
38	–	–	–	–	27	32
39	–	–	–	–	–	–
40	13	–	–	24	28	33

Expressive Nonsense Words – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade 1			Grade 2		
	Fall	Winter	Spring	Fall	Winter	Spring
41	–	16	21	–	–	–
42	–	–	–	–	29	34
43	–	–	–	25	30	35
44	14	–	–	–	–	–
45	–	17	22	26	31	36
46	–	–	–	–	–	–
47	15	–	–	27	32	37
48	–	18	23	–	33	38
49	–	–	–	–	–	–
50	–	–	–	28	–	–
51	–	19	24	–	34	39
52	16	–	–	29	–	–
53	–	20	25	–	35	40
54	–	–	–	–	–	–
55	–	–	–	30	36	41
56	17	21	26	–	–	–
57	–	–	–	31	37	42
58	–	–	–	–	–	–
59	–	22	27	32	38	43
60	18	–	–	33	–	–
61	–	–	–	–	39	44
62	–	23	28	–	40	45
63	–	–	–	34	–	–
64	19	24	29	–	41	46
65	–	–	–	35	42	47
66	–	25	30	–	–	–
67	20	–	–	36	43	48

Expressive Nonsense Words – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade 1			Grade 2		
	Fall	Winter	Spring	Fall	Winter	Spring
68	–	26	31	–	–	–
69	–	27	32	–	44	49
70	21	–	–	37	–	–
71	–	28	33	38	45	50
72	22	29	34	–	46	51
73	–	–	–	39	–	–
74	23	30	35	–	47	52
75	–	–	–	40	–	–
76	24	31	36	41	48	53
77	25	32	37	42	–	–
78	–	33	38	–	49	54
79	26	34	39	43	–	–
80	–	35	40	44	51	56
81	27	36	41	–	52	57
82	28	37	42	45	–	–
83	29	–	–	–	53	58
84	–	38	43	46	54	59
85	30	–	–	48	–	–
86	–	40	45	49	55	60
87	32	42	47	50	56	61
88	33	43	48	51	57	62
89	34	44	49	52	–	–
90	36	45	50	53	58	63
91	38	46	51	54	–	–
92	39	48	53	55	59	64
93	40	50	55	56	60	65
94	42	52	57	58	61	66

Expressive Nonsense Words – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade 1			Grade 2		
	Fall	Winter	Spring	Fall	Winter	Spring
95	43	54	59	–	63	68
96	46	57	62	59	66	71
97	49	59	64	60	69	74
98	52	60	65	63	73	78
99	60	67	72	69	80	85

Passage Oral Reading

Passage Oral Reading – Grades 1–3 – Percentile Rank to Correct Per Minute									
Percentile Rank (PR)	Grade 1			Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
1	0	0	0	0	0	0	0	0	0
2	3	6	20	10	15	26	16	24	30
3	4	8	22	12	19	30	27	33	39
4	5	9	23	17	24	35	34	41	47
5	6	10	24	20	28	39	39	47	53
6	7	11	25	22	32	43	46	52	58
7	–	–	–	25	36	47	50	56	62
8	8	13	27	28	39	50	53	61	67
9	–	14	28	32	41	52	56	65	71
10	9	15	29	34	43	54	59	68	74
11	–	–	–	36	46	57	62	72	78
12	–	16	30	39	48	59	64	74	80
13	10	17	31	42	50	61	67	76	82
14	11	–	–	44	52	63	70	78	84

Passage Oral Reading – Grades 1–3 – Percentile Rank to Correct Per Minute									
Percentile Rank (PR)	Grade 1			Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
15	–	18	32	46	54	65	71	80	86
16	12	19	33	47	57	68	73	81	87
17	–	20	34	50	60	71	76	83	89
18	–	–	–	51	62	73	77	85	91
19	13	–	–	53	64	75	79	87	93
20	–	21	35	54	65	76	80	88	94
21	14	–	–	55	67	78	82	89	95
22	–	22	36	57	68	79	83	90	96
23	15	–	–	59	71	82	84	92	98
24	–	24	38	60	72	83	86	94	100
25	16	–	–	61	74	85	88	95	101
26	–	25	39	63	75	86	–	96	102
27	–	26	40	65	76	87	89	97	103
28	17	27	41	66	77	88	91	98	104
29	–	–	–	68	79	90	92	100	106
30	18	28	42	69	81	92	93	101	107
31	–	29	43	70	–	–	95	102	108
32	19	–	–	71	82	93	97	103	109
33	–	30	44	73	83	94	98	104	110
34	–	31	45	74	84	95	99	106	112
35	20	32	46	75	85	96	–	107	113
36	–	–	–	76	87	98	101	108	114
37	21	33	47	78	88	99	103	109	115
38	–	34	48	79	89	100	104	110	116
39	22	–	–	80	90	101	105	111	117
40	23	35	49	81	91	102	106	112	118
41	–	36	50	82	92	103	107	113	119

Passage Oral Reading – Grades 1–3 – Percentile Rank to Correct Per Minute									
Percentile Rank (PR)	Grade 1			Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
42	24	–	–	–	93	104	108	114	120
43	–	37	51	83	94	105	109	115	121
44	25	–	–	84	95	106	111	116	122
45	–	39	53	85	96	107	112	117	123
46	26	40	54	86	98	109	113	118	124
47	27	41	55	87	99	110	114	119	125
48	–	42	56	89	100	111	115	120	126
49	28	43	57	–	101	112	116	121	127
50	29	44	58	90	102	113	117	122	128
51	–	45	59	91	103	114	118	123	129
52	–	46	60	92	104	115	119	124	130
53	30	–	–	93	105	116	120	125	131
54	31	47	61	94	106	117	121	126	132
55	32	48	62	95	107	118	122	127	133
56	33	49	63	96	–	–	–	128	134
57	34	51	65	97	109	120	123	129	135
58	–	52	66	99	110	121	124	130	136
59	35	53	67	100	112	123	125	–	–
60	36	55	69	101	113	124	126	131	137
61	38	56	70	102	114	125	127	132	138
62	39	57	71	103	115	126	129	133	139
63	40	59	73	104	–	–	–	134	140
64	41	60	74	105	116	127	130	–	–
65	42	61	75	106	117	128	131	135	141
66	43	62	76	107	119	130	132	–	–
67	44	64	78	108	120	131	133	137	143
68	45	66	80	109	121	132	134	138	144

Passage Oral Reading – Grades 1–3 – Percentile Rank to Correct Per Minute									
Percentile Rank (PR)	Grade 1			Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
69	46	67	81	110	122	133	136	139	145
70	47	69	83	112	123	134	137	140	146
71	48	70	84	113	125	136	138	141	147
72	50	72	86	114	126	137	139	142	148
73	51	74	88	115	127	138	140	143	149
74	53	75	89	117	128	139	141	144	150
75	54	77	91	119	129	140	142	145	151
76	56	78	92	120	130	141	143	147	153
77	58	80	94	122	132	143	144	148	154
78	60	82	96	123	133	144	145	150	156
79	62	83	97	124	135	146	146	151	157
80	63	85	99	126	137	148	148	153	159
81	65	87	101	128	138	149	149	155	161
82	67	88	102	129	140	151	151	157	163
83	70	91	105	130	142	153	153	158	164
84	72	94	108	131	144	155	154	160	166
85	75	95	109	133	146	157	156	161	167
86	77	98	112	136	148	159	158	163	169
87	80	100	114	138	150	161	159	165	171
88	82	103	117	140	152	163	161	167	173
89	85	106	120	141	154	165	163	169	175
90	88	109	123	144	156	167	165	170	176
91	90	112	126	147	159	170	167	172	178
92	94	117	131	150	162	173	170	175	181
93	98	119	133	154	166	177	173	177	183
94	101	122	136	159	169	180	177	181	187
95	106	127	141	163	174	185	181	186	192

Passage Oral Reading – Grades 1–3 – Percentile Rank to Correct Per Minute									
Percentile Rank (PR)	Grade 1			Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
96	113	134	148	167	179	190	185	190	196
97	124	142	156	172	184	195	189	194	200
98	133	150	164	181	193	204	194	200	206
99	153	162	176	191	201	212	205	209	215

Passage Oral Reading – Grades 4–6 – Percentile Rank to Correct Per Minute									
Percentile Rank (PR)	Grade 4			Grade 5			Grade 6		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
1	0	0	0	0	0	0	0	0	0
2	17	27	34	34	45	46	36	36	37
3	27	36	47	40	50	54	47	48	53
4	34	45	53	47	54	60	67	67	71
5	38	51	61	52	60	65	77	77	77
6	42	56	66	56	64	69	–	88	92
7	46	59	70	59	68	75	82	91	101
8	49	63	73	63	71	79	–	95	102
9	52	67	76	65	75	84	85	96	105
10	56	71	80	67	79	88	91	97	111
11	59	74	83	69	85	92	95	99	113
12	62	76	86	72	87	95	97	104	–
13	64	79	88	74	89	99	101	107	116
14	66	81	91	76	92	101	106	110	117
15	68	83	93	79	94	105	–	113	119
16	70	85	95	81	96	107	107	117	124
17	72	88	97	83	98	109	110	118	126
18	73	90	99	86	100	110	–	–	127

Passage Oral Reading – Grades 4–6 – Percentile Rank to Correct Per Minute									
Percentile Rank (PR)	Grade 4			Grade 5			Grade 6		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
19	75	92	101	87	102	112	112	121	130
20	76	93	102	89	103	113	114	125	131
21	77	94	104	91	105	115	116	126	–
22	79	96	106	93	106	117	117	127	135
23	81	98	108	94	108	119	118	129	137
24	82	99	109	96	110	121	120	130	138
25	83	100	110	97	111	123	–	132	141
26	84	102	112	99	112	124	121	135	–
27	85	103	113	100	114	125	123	–	142
28	86	104	114	102	115	127	124	136	–
29	87	105	116	103	117	128	–	–	144
30	88	106	117	104	118	129	126	137	145
31	89	107	118	106	120	130	127	138	147
32	90	108	119	108	121	132	128	139	149
33	–	109	121	109	122	133	–	140	152
34	92	111	122	110	123	134	130	141	–
35	93	112	123	111	124	135	131	142	153
36	94	113	124	112	126	136	–	143	154
37	95	114	125	113	127	137	–	144	155
38	96	115	126	114	128	138	132	–	156
39	97	116	127	115	129	139	–	146	157
40	98	117	128	–	130	141	134	–	158
41	99	118	129	117	131	–	137	147	–
42	100	119	130	118	132	142	138	–	159
43	101	120	131	119	133	144	–	149	160
44	103	121	133	121	134	145	–	–	161
45	104	–	–	122	135	146	139	150	–

Passage Oral Reading – Grades 4–6 – Percentile Rank to Correct Per Minute									
Percentile Rank (PR)	Grade 4			Grade 5			Grade 6		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
46	105	122	134	123	136	–	140	–	162
47	106	–	135	124	137	147	142	–	–
48	–	124	136	125	138	148	143	152	164
49	107	125	137	126	139	149	144	153	165
50	108	126	138	–	141	151	–	154	–
51	109	127	139	127	142	–	145	–	167
52	110	128	140	128	143	152	146	155	–
53	111	129	–	129	144	153	147	–	168
54	112	130	142	130	145	154	148	158	–
55	113	131	144	131	146	155	149	–	–
56	114	132	145	132	147	156	–	159	–
57	115	133	146	133	148	157	150	160	170
58	116	134	147	134	149	158	151	–	171
59	117	–	148	135	150	159	152	161	172
60	119	136	–	136	151	160	153	–	173
61	120	137	149	138	152	–	–	162	174
62	121	139	150	139	–	161	154	–	176
63	122	140	151	140	153	162	155	163	–
64	123	–	–	141	154	163	156	164	177
65	124	141	152	142	155	164	157	166	–
66	125	142	154	143	156	165	158	168	178
67	126	143	155	145	157	166	159	–	179
68	128	145	156	146	158	167	160	170	180
69	129	146	157	147	159	168	161	–	181
70	130	147	158	149	160	169	162	172	182
71	131	148	159	150	161	170	163	173	–
72	132	149	160	151	162	171	–	–	183

Passage Oral Reading – Grades 4–6 – Percentile Rank to Correct Per Minute									
Percentile Rank (PR)	Grade 4			Grade 5			Grade 6		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
73	133	150	–	153	163	–	–	175	185
74	134	151	161	154	164	172	165	176	186
75	136	153	163	155	165	174	166	–	–
76	137	154	164	157	166	175	167	177	–
77	139	155	165	158	168	176	168	–	187
78	141	157	166	160	–	177	170	179	188
79	142	158	167	161	169	178	173	180	189
80	144	159	169	163	171	179	174	181	–
81	145	160	170	164	172	181	175	–	191
82	147	162	–	166	174	182	176	182	192
83	148	163	171	167	175	183	178	–	–
84	150	164	173	168	176	184	179	185	193
85	152	165	174	170	178	185	–	–	196
86	154	167	175	172	179	188	181	189	–
87	155	168	177	174	181	190	182	191	–
88	157	169	178	175	182	192	184	192	198
89	159	171	180	177	183	193	185	194	200
90	162	173	182	178	185	195	186	195	202
91	164	174	183	181	186	197	–	–	–
92	166	176	185	183	188	199	187	198	209
93	169	177	188	186	190	202	–	201	–
94	172	179	191	189	193	204	191	204	210
95	174	181	193	194	195	206	194	206	214
96	179	185	197	198	198	209	195	209	216
97	183	189	199	204	204	212	201	216	219
98	189	196	202	210	210	216	209	217	220
99	198	205	210	217	217	222	219	224	224

Rapid Color Naming

Rapid Color Naming – Percentile Rank to Correct Per Minute												
Percentile Rank (PR)	Grade K			Grade 1			Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
1	0	0	0	0	0	0	0	0	0	0	0	0
2	18	18	18	30	30	30	36	36	36	34	34	34
3	21	21	21	32	32	32	38	38	38	37	37	37
4	22	22	22	34	34	34	39	39	39	38	38	38
5	23	23	23	35	35	35	–	–	–	39	39	39
6	24	24	24	36	36	36	–	–	–	–	–	–
7	25	25	25	37	37	37	–	–	–	–	–	–
8	26	26	26	38	38	38	–	–	–	–	–	–
9	27	27	27	–	–	–	–	–	–	–	–	–
10	–	–	–	–	–	–	40	40	40	–	–	–
11	28	28	28	39	39	39	41	41	41	–	–	–
12	29	29	29	–	–	–	42	42	42	–	–	–
13	30	30	30	–	–	–	–	–	–	40	40	40
14	–	–	–	–	–	–	44	44	44	41	41	41
15	31	31	31	–	–	–	45	45	45	44	44	44
16	32	32	32	–	–	–	46	46	46	45	45	45
17	–	–	–	–	–	–	–	–	–	47	47	47
18	–	–	–	–	–	–	47	47	47	49	49	49
19	–	–	–	–	–	–	–	–	–	50	50	50
20	33	33	33	–	–	–	–	–	–	51	51	51
21	–	–	–	–	–	–	48	48	48	–	–	–
22	34	34	34	–	–	–	49	49	49	–	–	–
23	–	–	–	–	–	–	–	–	–	53	53	53
24	35	35	35	–	–	–	50	50	50	55	55	55
25	–	–	–	–	–	–	–	–	–	–	–	–

Rapid Color Naming – Percentile Rank to Correct Per Minute												
Percentile Rank (PR)	Grade K			Grade 1			Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
26	–	–	–	–	–	–	51	51	51	56	56	56
27	36	36	36	–	–	–	–	–	–	–	–	–
28	–	–	–	40	40	40	52	52	52	–	–	–
29	37	37	37	–	–	–	–	–	–	57	57	57
30	–	–	–	41	41	41	–	–	–	–	–	–
31	–	–	–	43	43	43	–	–	–	59	59	59
32	38	38	38	–	–	–	–	–	–	–	–	–
33	–	–	–	–	–	–	53	53	53	–	–	–
34	39	39	39	44	44	44	54	54	54	–	–	–
35	–	–	–	45	45	45	–	–	–	60	60	60
36	–	–	–	–	–	–	55	55	55	–	–	–
37	–	–	–	46	46	46	–	–	–	–	–	–
38	–	–	–	–	–	–	–	–	–	–	–	–
39	–	–	–	47	47	47	56	56	56	62	62	62
40	–	–	–	–	–	–	–	–	–	–	–	–
41	–	–	–	–	–	–	–	–	–	–	–	–
42	–	–	–	48	48	48	–	–	–	–	–	–
43	–	–	–	–	–	–	57	57	57	63	63	63
44	–	–	–	49	49	49	–	–	–	–	–	–
45	–	–	–	–	–	–	59	59	59	–	–	–
46	–	–	–	–	–	–	–	–	–	–	–	–
47	40	40	40	50	50	50	–	–	–	–	–	–
48	–	–	–	–	–	–	–	–	–	65	65	65
49	41	41	41	51	51	51	–	–	–	–	–	–
50	–	–	–	–	–	–	–	–	–	–	–	–
51	42	42	42	52	52	52	60	60	60	67	67	67
52	–	–	–	–	–	–	–	–	–	–	–	–

Rapid Color Naming – Percentile Rank to Correct Per Minute												
Percentile Rank (PR)	Grade K			Grade 1			Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
53	43	43	43	–	–	–	–	–	–	–	–	–
54	–	–	–	–	–	–	62	62	62	–	–	–
55	–	–	–	53	53	53	–	–	–	–	–	–
56	–	–	–	–	–	–	–	–	–	69	69	69
57	44	44	44	–	–	–	–	–	–	–	–	–
58	–	–	–	55	55	55	–	–	–	–	–	–
59	–	–	–	–	–	–	63	63	63	–	–	–
60	45	45	45	–	–	–	–	–	–	–	–	–
61	–	–	–	–	–	–	–	–	–	71	71	71
62	46	46	46	56	56	56	–	–	–	–	–	–
63	–	–	–	–	–	–	65	65	65	–	–	–
64	–	–	–	–	–	–	–	–	–	–	–	–
65	–	–	–	57	57	57	–	–	–	–	–	–
66	47	47	47	–	–	–	67	67	67	73	73	73
67	–	–	–	–	–	–	–	–	–	–	–	–
68	–	–	–	59	59	59	–	–	–	–	–	–
69	–	–	–	–	–	–	–	–	–	–	–	–
70	48	48	48	60	60	60	69	69	69	–	–	–
71	–	–	–	–	–	–	–	–	–	–	–	–
72	–	–	–	–	–	–	–	–	–	75	75	75
73	49	49	49	62	62	62	–	–	–	76	76	76
74	–	–	–	–	–	–	71	71	71	–	–	–
75	50	50	50	–	–	–	–	–	–	–	–	–
76	–	–	–	63	63	63	–	–	–	77	77	77
77	51	51	51	–	–	–	–	–	–	–	–	–
78	–	–	–	65	65	65	–	–	–	–	–	–
79	–	–	–	–	–	–	–	–	–	–	–	–

Rapid Color Naming – Percentile Rank to Correct Per Minute												
Percentile Rank (PR)	Grade K			Grade 1			Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
80	52	52	52	–	–	–	73	73	73	80	80	80
81	–	–	–	67	67	67	–	–	–	81	81	81
82	–	–	–	–	–	–	–	–	–	–	–	–
83	53	53	53	–	–	–	75	75	75	–	–	–
84	54	54	54	69	69	69	76	76	76	83	83	83
85	55	55	55	–	–	–	77	77	77	–	–	–
86	–	–	–	71	71	71	–	–	–	–	–	–
87	56	56	56	–	–	–	–	–	–	86	86	86
88	–	–	–	73	73	73	–	–	–	–	–	–
89	57	57	57	–	–	–	80	80	80	–	–	–
90	–	–	–	–	–	–	–	–	–	89	89	89
91	59	59	59	75	75	75	83	83	83	–	–	–
92	60	60	60	77	77	77	86	86	86	92	92	92
93	62	62	62	78	78	78	89	89	89	–	–	–
94	63	63	63	–	–	–	92	92	92	96	96	96
95	65	65	65	80	80	80	–	–	–	–	–	–
96	–	–	–	83	83	83	96	96	96	100	100	100
97	69	69	69	86	86	86	100	100	100	104	104	104
98	73	73	73	89	89	89	109	109	109	111	111	111
99	77	77	77	96	96	96	111	111	111	126	126	126

Rapid Letter Naming

Rapid Letter Naming – Percentile Rank to Correct Per Minute												
Percentile Rank (PR)	Grade K			Grade 1			Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
1	0	0	0	0	0	0	0	0	0	0	0	0
2	5	5	5	11	11	11	12	12	12	34	34	34
3	6	6	6	19	19	19	28	28	28	37	37	37
4	7	7	7	22	22	22	31	31	31	39	39	39
5	11	11	11	23	23	23	39	39	39	40	40	40
6	13	13	13	27	27	27	41	41	41	47	47	47
7	14	14	14	29	29	29	43	43	43	48	48	48
8	15	15	15	30	30	30	–	–	–	–	–	–
9	16	16	16	31	31	31	47	47	47	50	50	50
10	17	17	17	33	33	33	–	–	–	51	51	51
11	18	18	18	–	–	–	48	48	48	52	52	52
12	19	19	19	34	34	34	50	50	50	54	54	54
13	–	–	–	35	35	35	51	51	51	55	55	55
14	20	20	20	36	36	36	53	53	53	57	57	57
15	21	21	21	37	37	37	–	–	–	–	–	–
16	–	–	–	38	38	38	55	55	55	58	58	58
17	22	22	22	39	39	39	57	57	57	–	–	–
18	–	–	–	–	–	–	–	–	–	60	60	60
19	24	24	24	–	–	–	58	58	58	–	–	–
20	25	25	25	–	–	–	59	59	59	62	62	62
21	–	–	–	40	40	40	–	–	–	63	63	63
22	26	26	26	41	41	41	60	60	60	64	64	64
23	–	–	–	42	42	42	–	–	–	–	–	–
24	27	27	27	43	43	43	61	61	61	65	65	65
25	28	28	28	44	44	44	–	–	–	66	66	66

Rapid Letter Naming – Percentile Rank to Correct Per Minute												
Percentile Rank (PR)	Grade K			Grade 1			Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
26	–	–	–	45	45	45	–	–	–	–	–	–
27	29	29	29	46	46	46	62	62	62	–	–	–
28	–	–	–	47	47	47	63	63	63	–	–	–
29	30	30	30	–	–	–	–	–	–	67	67	67
30	31	31	31	–	–	–	64	64	64	–	–	–
31	–	–	–	48	48	48	–	–	–	–	–	–
32	32	32	32	–	–	–	65	65	65	68	68	68
33	33	33	33	49	49	49	–	–	–	–	–	–
34	–	–	–	–	–	–	66	66	66	–	–	–
35	34	34	34	–	–	–	67	67	67	70	70	70
36	–	–	–	50	50	50	–	–	–	–	–	–
37	35	35	35	–	–	–	–	–	–	71	71	71
38	–	–	–	51	51	51	–	–	–	–	–	–
39	36	36	36	–	–	–	68	68	68	–	–	–
40	–	–	–	52	52	52	–	–	–	72	72	72
41	37	37	37	–	–	–	–	–	–	73	73	73
42	–	–	–	53	53	53	–	–	–	–	–	–
43	38	38	38	–	–	–	–	–	–	75	75	75
44	–	–	–	54	54	54	70	70	70	76	76	76
45	–	–	–	55	55	55	–	–	–	–	–	–
46	39	39	39	–	–	–	–	–	–	–	–	–
47	–	–	–	–	–	–	71	71	71	–	–	–
48	–	–	–	–	–	–	72	72	72	77	77	77
49	–	–	–	56	56	56	–	–	–	79	79	79
50	–	–	–	–	–	–	73	73	73	–	–	–
51	40	40	40	57	57	57	–	–	–	80	80	80
52	–	–	–	58	58	58	74	74	74	–	–	–

Rapid Letter Naming – Percentile Rank to Correct Per Minute												
Percentile Rank (PR)	Grade K			Grade 1			Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
53	–	–	–	59	59	59	75	75	75	–	–	–
54	41	41	41	–	–	–	–	–	–	82	82	82
55	–	–	–	–	–	–	76	76	76	–	–	–
56	42	42	42	–	–	–	–	–	–	83	83	83
57	–	–	–	–	–	–	78	78	78	84	84	84
58	43	43	43	–	–	–	–	–	–	–	–	–
59	–	–	–	60	60	60	79	79	79	–	–	–
60	44	44	44	–	–	–	–	–	–	85	85	85
61	–	–	–	61	61	61	–	–	–	86	86	86
62	45	45	45	62	62	62	80	80	80	–	–	–
63	–	–	–	–	–	–	81	81	81	87	87	87
64	46	46	46	63	63	63	82	82	82	–	–	–
65	–	–	–	–	–	–	84	84	84	88	88	88
66	47	47	47	–	–	–	–	–	–	89	89	89
67	–	–	–	64	64	64	85	85	85	–	–	–
68	48	48	48	–	–	–	–	–	–	–	–	–
69	–	–	–	66	66	66	–	–	–	–	–	–
70	49	49	49	67	67	67	86	86	86	90	90	90
71	–	–	–	68	68	68	–	–	–	91	91	91
72	–	–	–	–	–	–	87	87	87	–	–	–
73	–	–	–	69	69	69	–	–	–	92	92	92
74	50	50	50	–	–	–	88	88	88	93	93	93
75	–	–	–	–	–	–	89	89	89	94	94	94
76	–	–	–	–	–	–	–	–	–	96	96	96
77	51	51	51	70	70	70	–	–	–	98	98	98
78	53	53	53	–	–	–	–	–	–	–	–	–
79	–	–	–	71	71	71	–	–	–	–	–	–

Rapid Letter Naming – Percentile Rank to Correct Per Minute												
Percentile Rank (PR)	Grade K			Grade 1			Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
80	–	–	–	73	73	73	90	90	90	99	99	99
81	54	54	54	74	74	74	91	91	91	–	–	–
82	–	–	–	–	–	–	92	92	92	–	–	–
83	55	55	55	75	75	75	–	–	–	–	–	–
84	56	56	56	76	76	76	93	93	93	–	–	–
85	57	57	57	–	–	–	–	–	–	–	–	–
86	59	59	59	77	77	77	95	95	95	–	–	–
87	–	–	–	–	–	–	96	96	96	100	100	100
88	60	60	60	79	79	79	–	–	–	102	102	102
89	62	62	62	–	–	–	99	99	99	103	103	103
90	63	63	63	80	80	80	–	–	–	–	–	–
91	65	65	65	81	81	81	–	–	–	105	105	105
92	66	66	66	83	83	83	–	–	–	107	107	107
93	68	68	68	–	–	–	–	–	–	109	109	109
94	69	69	69	85	85	85	100	100	100	–	–	–
95	70	70	70	87	87	87	102	102	102	118	118	118
96	76	76	76	90	90	90	105	105	105	119	119	119
97	77	77	77	91	91	91	107	107	107	–	–	–
98	80	80	80	99	99	99	109	109	109	120	120	120
99	84	84	84	100	100	100	118	118	118	128	128	128

Rapid Number Naming

Rapid Number Naming – Percentile Rank to Correct Per Minute												
Percentile Rank (PR)	Grade K			Grade 1			Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
1	0	0	0	0	0	0	0	0	0	0	0	0
2	6	6	6	25	25	25	34	34	34	39	39	39
3	14	14	14	28	28	28	40	40	40	40	40	40
4	16	16	16	30	30	30	41	41	41	44	44	44
5	17	17	17	31	31	31	42	42	42	46	46	46
6	19	19	19	34	34	34	43	43	43	47	47	47
7	21	21	21	37	37	37	44	44	44	–	–	–
8	–	–	–	–	–	–	46	46	46	–	–	–
9	22	22	22	39	39	39	50	50	50	50	50	50
10	23	23	23	–	–	–	–	–	–	58	58	58
11	24	24	24	–	–	–	51	51	51	59	59	59
12	26	26	26	40	40	40	–	–	–	60	60	60
13	28	28	28	–	–	–	54	54	54	–	–	–
14	29	29	29	41	41	41	57	57	57	–	–	–
15	–	–	–	42	42	42	–	–	–	61	61	61
16	30	30	30	–	–	–	–	–	–	63	63	63
17	31	31	31	43	43	43	59	59	59	65	65	65
18	–	–	–	45	45	45	–	–	–	66	66	66
19	32	32	32	46	46	46	60	60	60	67	67	67
20	33	33	33	–	–	–	61	61	61	–	–	–
21	34	34	34	48	48	48	62	62	62	–	–	–
22	35	35	35	49	49	49	–	–	–	68	68	68
23	–	–	–	–	–	–	–	–	–	–	–	–
24	36	36	36	–	–	–	–	–	–	–	–	–
25	–	–	–	–	–	–	63	63	63	–	–	–

Rapid Number Naming – Percentile Rank to Correct Per Minute												
Percentile Rank (PR)	Grade K			Grade 1			Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
26	–	–	–	50	50	50	64	64	64	70	70	70
27	37	37	37	–	–	–	–	–	–	–	–	–
28	–	–	–	–	–	–	65	65	65	–	–	–
29	38	38	38	51	51	51	–	–	–	71	71	71
30	–	–	–	–	–	–	–	–	–	72	72	72
31	39	39	39	52	52	52	66	66	66	–	–	–
32	–	–	–	–	–	–	–	–	–	73	73	73
33	–	–	–	53	53	53	67	67	67	74	74	74
34	–	–	–	–	–	–	–	–	–	76	76	76
35	–	–	–	–	–	–	–	–	–	–	–	–
36	40	40	40	–	–	–	68	68	68	77	77	77
37	–	–	–	54	54	54	–	–	–	–	–	–
38	–	–	–	–	–	–	69	69	69	78	78	78
39	–	–	–	55	55	55	70	70	70	–	–	–
40	–	–	–	–	–	–	–	–	–	79	79	79
41	–	–	–	–	–	–	71	71	71	–	–	–
42	41	41	41	56	56	56	–	–	–	80	80	80
43	–	–	–	–	–	–	72	72	72	–	–	–
44	–	–	–	57	57	57	–	–	–	81	81	81
45	42	42	42	–	–	–	–	–	–	–	–	–
46	–	–	–	58	58	58	73	73	73	82	82	82
47	–	–	–	59	59	59	–	–	–	83	83	83
48	43	43	43	–	–	–	–	–	–	–	–	–
49	–	–	–	–	–	–	74	74	74	84	84	84
50	–	–	–	–	–	–	75	75	75	85	85	85
51	44	44	44	60	60	60	76	76	76	86	86	86
52	–	–	–	–	–	–	77	77	77	–	–	–

Rapid Number Naming – Percentile Rank to Correct Per Minute												
Percentile Rank (PR)	Grade K			Grade 1			Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
53	45	45	45	–	–	–	–	–	–	–	–	–
54	–	–	–	61	61	61	78	78	78	87	87	87
55	46	46	46	–	–	–	79	79	79	88	88	88
56	–	–	–	62	62	62	–	–	–	89	89	89
57	47	47	47	–	–	–	–	–	–	–	–	–
58	–	–	–	–	–	–	80	80	80	–	–	–
59	48	48	48	–	–	–	–	–	–	–	–	–
60	49	49	49	–	–	–	81	81	81	90	90	90
61	–	–	–	–	–	–	–	–	–	–	–	–
62	–	–	–	63	63	63	82	82	82	92	92	92
63	–	–	–	–	–	–	–	–	–	94	94	94
64	–	–	–	64	64	64	83	83	83	–	–	–
65	–	–	–	–	–	–	–	–	–	–	–	–
66	–	–	–	–	–	–	84	84	84	95	95	95
67	–	–	–	65	65	65	–	–	–	–	–	–
68	50	50	50	–	–	–	–	–	–	96	96	96
69	–	–	–	–	–	–	85	85	85	97	97	97
70	–	–	–	66	66	66	86	86	86	98	98	98
71	51	51	51	67	67	67	87	87	87	–	–	–
72	52	52	52	–	–	–	–	–	–	99	99	99
73	–	–	–	68	68	68	88	88	88	–	–	–
74	53	53	53	–	–	–	89	89	89	–	–	–
75	54	54	54	–	–	–	–	–	–	–	–	–
76	–	–	–	–	–	–	–	–	–	–	–	–
77	–	–	–	–	–	–	90	90	90	–	–	–
78	55	55	55	70	70	70	91	91	91	–	–	–
79	–	–	–	–	–	–	92	92	92	–	–	–

Rapid Number Naming – Percentile Rank to Correct Per Minute												
Percentile Rank (PR)	Grade K			Grade 1			Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
80	56	56	56	72	72	72	–	–	–	–	–	–
81	57	57	57	–	–	–	94	94	94	–	–	–
82	–	–	–	73	73	73	95	95	95	–	–	–
83	58	58	58	74	74	74	–	–	–	100	100	100
84	59	59	59	75	75	75	–	–	–	102	102	102
85	–	–	–	–	–	–	96	96	96	–	–	–
86	60	60	60	76	76	76	97	97	97	105	105	105
87	61	61	61	–	–	–	–	–	–	–	–	–
88	62	62	62	78	78	78	99	99	99	–	–	–
89	–	–	–	80	80	80	–	–	–	107	107	107
90	63	63	63	81	81	81	–	–	–	109	109	109
91	64	64	64	84	84	84	–	–	–	–	–	–
92	65	65	65	85	85	85	100	100	100	111	111	111
93	68	68	68	–	–	–	102	102	102	115	115	115
94	70	70	70	86	86	86	103	103	103	–	–	–
95	71	71	71	88	88	88	105	105	105	122	122	122
96	74	74	74	–	–	–	–	–	–	128	128	128
97	77	77	77	90	90	90	107	107	107	133	133	133
98	79	79	79	98	98	98	111	111	111	136	136	136
99	80	80	80	100	100	100	115	115	115	143	143	143

Rapid Picture Naming

Rapid Picture Naming – Percentile Rank to Correct Per Minute												
Percentile Rank (PR)	Grade K			Grade 1			Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
1	0	0	0	0	0	0	0	0	0	0	0	0
2	19	19	19	24	24	24	33	33	33	34	34	34
3	20	20	20	25	25	25	34	34	34	36	36	36
4	21	21	21	28	28	28	35	35	35	37	37	37
5	22	22	22	29	29	29	37	37	37	39	39	39
6	–	–	–	30	30	30	39	39	39	–	–	–
7	23	23	23	–	–	–	–	–	–	40	40	40
8	–	–	–	32	32	32	40	40	40	41	41	41
9	24	24	24	33	33	33	–	–	–	42	42	42
10	–	–	–	–	–	–	41	41	41	43	43	43
11	25	25	25	34	34	34	–	–	–	44	44	44
12	26	26	26	35	35	35	–	–	–	–	–	–
13	–	–	–	–	–	–	42	42	42	45	45	45
14	27	27	27	–	–	–	–	–	–	46	46	46
15	28	28	28	–	–	–	43	43	43	47	47	47
16	–	–	–	36	36	36	44	44	44	–	–	–
17	29	29	29	–	–	–	–	–	–	–	–	–
18	–	–	–	37	37	37	45	45	45	–	–	–
19	–	–	–	–	–	–	–	–	–	48	48	48
20	–	–	–	38	38	38	46	46	46	–	–	–
21	30	30	30	–	–	–	–	–	–	49	49	49
22	–	–	–	–	–	–	47	47	47	–	–	–
23	–	–	–	39	39	39	–	–	–	–	–	–
24	–	–	–	–	–	–	–	–	–	50	50	50
25	31	31	31	–	–	–	–	–	–	–	–	–

Rapid Picture Naming – Percentile Rank to Correct Per Minute												
Percentile Rank (PR)	Grade K			Grade 1			Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
26	–	–	–	–	–	–	48	48	48	–	–	–
27	–	–	–	40	40	40	–	–	–	51	51	51
28	32	32	32	–	–	–	–	–	–	–	–	–
29	–	–	–	–	–	–	49	49	49	52	52	52
30	–	–	–	41	41	41	–	–	–	–	–	–
31	–	–	–	–	–	–	50	50	50	53	53	53
32	33	33	33	–	–	–	–	–	–	–	–	–
33	–	–	–	–	–	–	–	–	–	–	–	–
34	34	34	34	–	–	–	51	51	51	–	–	–
35	–	–	–	42	42	42	–	–	–	54	54	54
36	–	–	–	–	–	–	52	52	52	–	–	–
37	–	–	–	–	–	–	–	–	–	–	–	–
38	–	–	–	–	–	–	–	–	–	55	55	55
39	35	35	35	43	43	43	53	53	53	–	–	–
40	–	–	–	–	–	–	–	–	–	–	–	–
41	–	–	–	–	–	–	–	–	–	56	56	56
42	–	–	–	44	44	44	–	–	–	–	–	–
43	–	–	–	–	–	–	–	–	–	–	–	–
44	–	–	–	–	–	–	54	54	54	57	57	57
45	–	–	–	45	45	45	–	–	–	–	–	–
46	36	36	36	–	–	–	–	–	–	–	–	–
47	–	–	–	46	46	46	55	55	55	–	–	–
48	–	–	–	–	–	–	–	–	–	58	58	58
49	37	37	37	–	–	–	56	56	56	–	–	–
50	–	–	–	47	47	47	–	–	–	–	–	–
51	–	–	–	–	–	–	–	–	–	–	–	–
52	–	–	–	–	–	–	–	–	–	59	59	59

Rapid Picture Naming – Percentile Rank to Correct Per Minute												
Percentile Rank (PR)	Grade K			Grade 1			Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
53	38	38	38	–	–	–	57	57	57	–	–	–
54	–	–	–	–	–	–	–	–	–	–	–	–
55	–	–	–	–	–	–	–	–	–	–	–	–
56	39	39	39	48	48	48	58	58	58	–	–	–
57	–	–	–	–	–	–	–	–	–	–	–	–
58	–	–	–	–	–	–	–	–	–	–	–	–
59	–	–	–	49	49	49	59	59	59	60	60	60
60	40	40	40	–	–	–	–	–	–	–	–	–
61	–	–	–	50	50	50	–	–	–	61	61	61
62	–	–	–	–	–	–	–	–	–	–	–	–
63	41	41	41	–	–	–	–	–	–	62	62	62
64	–	–	–	51	51	51	60	60	60	–	–	–
65	–	–	–	52	52	52	61	61	61	–	–	–
66	–	–	–	–	–	–	–	–	–	–	–	–
67	–	–	–	53	53	53	62	62	62	63	63	63
68	–	–	–	–	–	–	63	63	63	–	–	–
69	–	–	–	–	–	–	–	–	–	–	–	–
70	42	42	42	–	–	–	64	64	64	64	64	64
71	–	–	–	54	54	54	–	–	–	–	–	–
72	43	43	43	55	55	55	66	66	66	65	65	65
73	–	–	–	–	–	–	67	67	67	–	–	–
74	–	–	–	56	56	56	69	69	69	–	–	–
75	44	44	44	–	–	–	72	72	72	66	66	66
76	–	–	–	57	57	57	73	73	73	67	67	67
77	45	45	45	–	–	–	94	94	94	–	–	–
78	–	–	–	59	59	59	101	101	101	68	68	68
79	–	–	–	–	–	–	103	103	103	69	69	69

Rapid Picture Naming – Percentile Rank to Correct Per Minute												
Percentile Rank (PR)	Grade K			Grade 1			Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
80	46	46	46	–	–	–	107	107	107	–	–	–
81	–	–	–	–	–	–	–	–	–	70	70	70
82	47	47	47	–	–	–	–	–	–	–	–	–
83	–	–	–	–	–	–	108	108	108	71	71	71
84	–	–	–	60	60	60	110	110	110	72	72	72
85	48	48	48	62	62	62	111	111	111	74	74	74
86	–	–	–	63	63	63	113	113	113	75	75	75
87	49	49	49	65	65	65	114	114	114	78	78	78
88	–	–	–	66	66	66	115	115	115	84	84	84
89	50	50	50	68	68	68	116	116	116	106	106	106
90	51	51	51	80	80	80	118	118	118	109	109	109
91	52	52	52	95	95	95	–	–	–	114	114	114
92	53	53	53	97	97	97	–	–	–	115	115	115
93	54	54	54	101	101	101	120	120	120	117	117	117
94	55	55	55	105	105	105	126	126	126	–	–	–
95	58	58	58	109	109	109	131	131	131	–	–	–
96	60	60	60	113	113	113	133	133	133	–	–	–
97	63	63	63	116	116	116	141	141	141	120	120	120
98	90	90	90	–	–	–	144	144	144	129	129	129
99	108	108	108	120	120	120	153	153	153	148	148	148

Math

Seasonal Benchmarks for Math: Percentile Ranks and Correct Per Minute Score Ranges Associated with Benchmark Categories by Grade and Season

Numerical Recognition

Benchmark Category	PRs Associated with Benchmark	Grade K Fall	Grade K Winter	Grade K Spring	Grade 1 Fall
At/Above Benchmark	40 and above	23 and above	30 and above	39 and above	48 and above
On Watch	20 to 39	14 to 22	23 to 29	32 to 38	38 to 47
Intervention	1 to 19	0 to 13	0 to 22	0 to 31	0 to 37

Quantity Comparison

Benchmark Category	PRs Associated with Benchmark	Grade K			Grade 1		
		Fall	Winter	Spring	Fall	Winter	Spring
At/Above Benchmark	40 and above	14 and above	19 and above	24 and above	26 and above	31 and above	35 and above
On Watch	20 to 39	9 to 13	13 to 18	18 to 23	21 to 25	25 to 30	29 to 34
Intervention	1 to 19	0 to 8	0 to 12	0 to 17	0 to 20	0 to 24	0 to 28

Addition to 10

Benchmark Category	PRs Associated with Benchmark	Grade 1			Grade 2		
		Fall	Winter	Spring	Fall	Winter	Spring
At/Above Benchmark	40 and above	15 and above	16 and above	18 and above	27 and above	27 and above	31 and above
On Watch	20 to 39	10 to 14	12 to 15	14 to 17	20 to 26	21 to 26	25 to 30
Intervention	1 to 19	0 to 9	0 to 11	0 to 13	0 to 19	0 to 20	0 to 24

Addition to 20

Benchmark Category	PRs Associated with Benchmark	Grade 2 Fall	Grade 2 Winter	Grade 2 Spring
At/Above Benchmark	40 and above	16 and above	18 and above	23 and above
On Watch	20 to 39	11 to 15	13 to 17	18 to 22
Intervention	1 to 19	0 to 10	0 to 12	0 to 17

Subtraction from 10

Benchmark Category	PRs Associated with Benchmark	Grade 2			Grade 3		
		Fall	Winter	Spring	Fall	Winter	Spring
At/Above Benchmark	40 and above	13 and above	17 and above	22 and above	19 and above	22 and above	28 and above
On Watch	20 to 39	9 to 12	12 to 16	17 to 21	13 to 18	16 to 21	22 to 27
Intervention	1 to 19	0 to 8	0 to 11	0 to 16	0 to 12	0 to 15	0 to 21

Mixed Addition and Subtraction

Benchmark Category	PRs Associated with Benchmark	Grade 3 Fall	Grade 3 Winter	Grade 3 Spring
At/Above Benchmark	40 and above	11 and above	12 and above	14 and above
On Watch	20 to 39	7 to 10	8 to 11	10 to 13
Intervention	1 to 19	0 to 6	0 to 7	0 to 9

Multiplication to 100

Benchmark Category	PRs Associated with Benchmark	Grade 3 Fall	Grade 3 Winter	Grade 3 Spring
At/Above Benchmark	40 and above	10 and above	15 and above	21 and above
On Watch	20 to 39	5 to 9	10 to 14	16 to 20
Intervention	1 to 19	0 to 4	0 to 9	0 to 15

Math Percentile Rank (PR) to Correct Per Minute (CPM) Conversion Tables

Note: If your district uses different benchmark categories from the default categories used in Star CBM (see the previous pages), use the following tables to find the Correct Per Minute scores that correspond to the Percentile Ranks that you use for your categories. If one of those Percentile Ranks does not have a matching Correct Per Minute score (you see “—” instead of a score in the table), find the next highest Percentile Rank with an available Correct Per Minute score, and use that Correct Per Minute score as the benchmark.

Numerical Recognition

Numeral Recognition – Percentile Rank to Correct Per Minute				
Percentile Rank (PR)	Grade K Fall	Grade K Winter	Grade K Spring	G1 Fall
1	—	0	0	0
2	0	7	16	22
3	1	10	19	24
4	2	11	20	26
5	3	13	22	—
6	4	15	24	27
7	5	16	25	29
8	6	—	—	30
9	—	17	26	31
10	7	18	27	32
11	8	—	—	—
12	9	19	28	—
13	10	—	—	33
14	—	20	29	34
15	11	—	—	35
16	12	—	—	—
17	—	21	30	36
18	13	22	31	37
19	—	—	—	—
20	14	23	32	38
21	—	—	—	39

Numeral Recognition – Percentile Rank to Correct Per Minute				
Percentile Rank (PR)	Grade K Fall	Grade K Winter	Grade K Spring	G1 Fall
22	15	24	33	–
23	16	–	–	40
24	–	–	–	–
25	17	25	34	–
26	–	–	–	41
27	18	–	–	–
28	–	–	–	42
29	–	26	35	–
30	19	–	–	43
31	–	–	–	–
32	–	27	36	44
33	20	–	–	45
34	–	–	–	–
35	–	28	37	–
36	21	–	–	46
37	–	–	–	47
38	–	29	38	–
39	22	–	–	–
40	–	–	–	48
41	23	30	39	–
42	–	–	–	49
43	–	–	–	–
44	–	31	40	–
45	24	–	–	50
46	–	–	–	–
47	–	32	41	–
48	25	–	–	51
49	–	–	–	–

Numeral Recognition – Percentile Rank to Correct Per Minute				
Percentile Rank (PR)	Grade K Fall	Grade K Winter	Grade K Spring	G1 Fall
50	–	33	42	52
51	26	–	–	–
52	–	–	–	53
53	–	34	43	–
54	–	–	–	–
55	–	–	–	54
56	27	35	44	–
57	–	–	–	55
58	28	36	45	–
59	–	–	–	–
60	–	37	46	56
61	–	–	–	–
62	29	38	47	–
63	–	–	–	57
64	–	–	–	–
65	30	39	48	–
66	–	–	–	58
67	31	40	49	–
68	–	–	–	59
69	–	–	–	–
70	32	41	50	60
71	–	–	–	–
72	–	42	51	61
73	33	–	–	–
74	–	43	52	62
75	–	–	–	–
76	34	44	53	63
77	–	–	–	–

Numeral Recognition – Percentile Rank to Correct Per Minute				
Percentile Rank (PR)	Grade K Fall	Grade K Winter	Grade K Spring	G1 Fall
78	35	45	54	–
79	36	–	–	64
80	–	46	55	–
81	37	47	56	65
82	38	–	–	–
83	39	48	57	66
84	–	–	–	–
85	40	49	58	67
86	41	50	59	68
87	–	–	–	–
88	42	51	60	69
89	43	52	61	70
90	45	54	63	71
91	46	56	65	72
92	47	57	66	73
93	48	59	68	75
94	50	60	69	76
95	52	63	72	78
96	53	65	74	79
97	56	66	75	–
98	59	68	77	80
99	64	72	81	84

Quantity Comparison

Quantity Comparison – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade K			Grade 1		
	Fall	Winter	Spring	Fall	Winter	Spring
1	–	0	0	0	0	0
2	0	3	8	9	12	16
3	1	4	9	11	14	18
4	2	5	10	12	15	19
5	–	6	11	13	16	20
6	3	–	–	14	17	21
7	–	7	12	15	18	22
8	4	8	13	–	19	23
9	5	–	–	16	20	24
10	–	9	14	–	–	–
11	6	10	15	17	21	25
12	–	–	–	–	22	26
13	–	–	–	18	–	–
14	7	11	16	–	23	27
15	–	–	–	19	–	–
16	–	–	–	–	–	–
17	8	12	17	–	24	28
18	–	–	–	20	–	–
19	–	–	–	–	–	–
20	9	13	18	–	25	29
21	–	–	–	21	–	–
22	–	–	–	–	–	–
23	–	14	19	–	26	30
24	–	–	–	–	–	–
25	10	–	–	22	–	–

Quantity Comparison – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade K			Grade 1		
	Fall	Winter	Spring	Fall	Winter	Spring
26	–	–	–	–	–	–
27	–	15	20	–	27	31
28	–	–	–	23	–	–
29	11	–	–	–	–	–
30	–	16	21	–	28	32
31	–	–	–	–	–	–
32	–	–	–	24	–	–
33	–	–	–	–	–	–
34	12	17	22	–	29	33
35	–	–	–	–	–	–
36	–	–	–	–	–	–
37	–	–	–	25	–	–
38	13	18	23	–	–	–
39	–	–	–	–	30	34
40	–	–	–	–	–	–
41	–	–	–	–	–	–
42	–	–	–	26	–	–
43	14	19	24	–	31	35
44	–	–	–	–	–	–
45	–	–	–	27	–	–
46	–	–	–	–	–	–
47	15	20	25	–	–	–
48	–	–	–	–	32	36
49	–	–	–	28	–	–
50	–	–	–	–	–	–
51	16	21	26	–	–	–
52	–	–	–	–	33	37

Quantity Comparison – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade K			Grade 1		
	Fall	Winter	Spring	Fall	Winter	Spring
53	–	–	–	–	–	–
54	–	–	–	29	–	–
55	17	–	–	–	–	–
56	–	–	–	–	–	–
57	–	22	27	–	–	–
58	–	–	–	–	34	38
59	18	–	–	–	–	–
60	–	–	–	–	–	–
61	–	23	28	30	–	–
62	–	–	–	–	35	39
63	19	–	–	–	–	–
64	–	–	–	31	–	–
65	–	24	29	–	–	–
66	–	–	–	–	36	40
67	20	–	–	–	–	–
68	–	–	–	32	–	–
69	–	25	30	–	37	41
70	–	–	–	–	–	–
71	21	–	–	33	–	–
72	–	26	31	–	–	–
73	–	–	–	–	38	42
74	–	–	–	–	–	–
75	22	–	–	34	–	–
76	–	27	32	–	39	43
77	–	–	–	–	–	–
78	–	–	–	35	–	–
79	23	28	33	–	–	–

Quantity Comparison – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade K			Grade 1		
	Fall	Winter	Spring	Fall	Winter	Spring
80	–	–	–	–	40	44
81	–	–	–	36	–	–
82	24	29	34	–	–	–
83	–	–	–	37	41	45
84	–	–	–	–	–	–
85	–	30	35	–	42	46
86	25	–	–	38	–	–
87	–	31	36	–	43	47
88	–	–	–	–	–	–
89	26	32	37	39	–	–
90	–	33	38	40	44	48
91	27	34	39	–	–	–
92	–	35	40	41	45	49
93	28	–	–	–	46	50
94	29	36	41	42	47	51
95	30	38	43	43	48	52
96	31	39	44	44	49	53
97	33	41	46	45	50	54
98	35	44	49	48	51	55
99	37	47	52	51	54	58

Addition to 10

Addition to 10 – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade 1			Grade 2		
	Fall	Winter	Spring	Fall	Winter	Spring
1	0	0	0	0	0	0
2	2	4	6	10	10	14
3	3	5	7	11	11	15
4	–	–	–	–	–	–
5	4	6	8	12	12	16
6	5	–	–	13	13	17
7	–	7	9	14	14	18
8	6	–	–	–	–	–
9	–	–	–	15	15	19
10	7	8	10	16	16	20
11	–	–	–	–	17	21
12	–	9	11	17	18	22
13	8	–	–	–	–	–
14	–	–	–	–	19	23
15	–	–	–	18	–	–
16	9	10	12	–	–	–
17	–	–	–	–	–	–
18	–	–	–	19	–	–
19	–	11	13	–	20	24
20	10	–	–	–	–	–
21	–	–	–	20	–	–
22	–	–	–	–	–	–
23	–	12	14	–	–	–
24	11	–	–	21	21	25
25	–	–	–	–	–	–

Addition to 10 – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade 1			Grade 2		
	Fall	Winter	Spring	Fall	Winter	Spring
26	–	–	–	22	22	26
27	–	13	15	–	–	–
28	–	–	–	–	–	–
29	12	–	–	–	–	–
30	–	–	–	23	23	27
31	–	14	16	–	–	–
32	–	–	–	–	–	–
33	–	–	–	24	24	28
34	–	–	–	–	–	–
35	13	–	–	–	–	–
36	–	15	17	25	25	29
37	–	–	–	–	–	–
38	–	–	–	–	26	30
39	14	–	–	26	–	–
40	–	–	–	–	–	–
41	–	16	18	–	–	–
42	–	–	–	–	–	–
43	–	–	–	27	27	31
44	15	–	–	–	28	32
45	–	–	–	–	–	–
46	–	17	19	–	–	–
47	–	–	–	28	–	–
48	16	–	–	–	–	–
49	–	–	–	–	29	33
50	–	–	–	–	–	–
51	–	18	20	29	–	–
52	17	–	–	–	30	34

Addition to 10 – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade 1			Grade 2		
	Fall	Winter	Spring	Fall	Winter	Spring
53	–	–	–	–	–	–
54	–	19	21	30	–	–
55	–	–	–	–	–	–
56	–	–	–	–	31	35
57	18	–	–	31	32	36
58	–	–	–	–	33	37
59	–	20	22	–	–	–
60	–	–	–	32	–	–
61	19	–	–	–	34	38
62	–	–	–	–	35	39
63	–	21	23	–	–	–
64	–	–	–	33	–	–
65	20	–	–	–	36	40
66	–	22	24	34	37	41
67	–	–	–	–	–	–
68	–	–	–	–	40	44
69	21	23	25	–	–	–
70	–	–	–	35	–	–
71	–	–	–	–	41	45
72	–	–	–	–	42	46
73	22	24	26	–	–	–
74	–	–	–	36	–	–
75	–	–	–	–	44	48
76	23	25	27	37	45	49
77	–	–	–	–	46	50
78	–	–	–	–	47	51
79	–	26	28	38	–	–

Addition to 10 – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade 1			Grade 2		
	Fall	Winter	Spring	Fall	Winter	Spring
80	24	–	–	–	–	–
81	–	–	–	39	–	–
82	25	27	29	–	48	52
83	–	–	–	40	49	53
84	–	28	30	–	51	55
85	26	29	31	–	53	57
86	–	–	–	41	56	60
87	27	30	32	42	57	61
88	–	–	–	–	–	–
89	28	31	33	43	60	64
90	29	32	34	44	63	67
91	–	–	–	45	–	–
92	30	33	35	–	64	68
93	31	34	36	46	–	–
94	–	35	37	47	66	70
95	33	36	38	48	–	–
96	35	38	40	49	67	71
97	37	39	41	51	68	72
98	39	41	43	53	77	81
99	42	47	49	58	80	84

Addition to 20

Addition to 20 – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade 2 Fall	Grade 2 Winter	Grade 2 Spring
1	0	0	0
2	3	4	9
3	4	5	10
4	–	–	–
5	5	6	11
6	–	–	–
7	6	7	12
8	–	8	13
9	7	–	–
10	–	–	–
11	8	9	14
12	–	–	–
13	–	–	–
14	9	10	15
15	–	–	–
16	–	11	16
17	–	–	–
18	10	–	–
19	–	12	17
20	–	–	–
21	11	–	–
22	–	13	18
23	–	–	–
24	–	–	–
25	12	14	19
26	–	–	–

Addition to 20 – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade 2 Fall	Grade 2 Winter	Grade 2 Spring
27	–	–	–
28	–	–	–
29	13	15	20
30	–	–	–
31	–	–	–
32	–	–	–
33	–	16	21
34	14	–	–
35	–	–	–
36	–	–	–
37	–	17	22
38	15	–	–
39	–	–	–
40	–	–	–
41	–	–	–
42	–	18	23
43	–	–	–
44	16	–	–
45	–	–	–
46	–	–	–
47	–	19	24
48	17	–	–
49	–	–	–
50	–	–	–
51	–	–	–
52	–	–	–
53	–	20	25
54	18	–	–

Star CBM Score and Benchmark Tables

Addition to 20 – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade 2 Fall	Grade 2 Winter	Grade 2 Spring
55	–	–	–
56	–	21	26
57	–	–	–
58	–	–	–
59	19	–	–
60	–	22	27
61	–	–	–
62	–	–	–
63	–	–	–
64	20	23	28
65	–	–	–
66	–	–	–
67	–	24	29
68	–	–	–
69	21	–	–
70	–	25	30
71	–	–	–
72	–	–	–
73	22	26	31
74	–	–	–
75	–	27	32
76	–	–	–
77	23	–	–
78	–	28	33
79	–	–	–
80	–	29	34
81	24	–	–
82	–	30	35

Addition to 20 – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade 2 Fall	Grade 2 Winter	Grade 2 Spring
83	–	31	36
84	25	–	–
85	–	32	37
86	26	33	38
87	27	34	39
88	–	–	–
89	28	35	40
90	29	36	41
91	–	37	42
92	30	40	45
93	31	44	49
94	32	48	53
95	34	58	63
96	35	67	72
97	37	73	78
98	39	76	81
99	46	79	84

Subtraction from 10

Subtraction from 10 – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring
1	0	0	0	0	0	0
2	2	4	9	4	7	13
3	3	–	–	5	8	14

Subtraction from 10 – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring
4	–	5	10	–	–	–
5	4	–	–	6	9	15
6	–	6	11	7	–	–
7	5	–	–	8	10	16
8	–	7	12	–	–	–
9	6	–	–	9	–	–
10	–	8	13	–	11	17
11	–	–	–	10	–	–
12	7	9	14	–	–	–
13	–	–	–	–	–	–
14	–	–	–	11	–	–
15	–	10	15	–	12	18
16	8	–	–	–	13	19
17	–	11	16	12	–	–
18	–	–	–	–	–	–
19	–	–	–	–	–	–
20	9	–	–	13	–	–
21	–	12	17	–	–	–
22	–	–	–	–	16	22
23	10	–	–	–	17	23
24	–	–	–	14	–	–
25	–	–	–	–	–	–
26	–	13	18	–	–	–
27	–	–	–	–	18	24
28	–	–	–	15	19	25
29	11	–	–	–	–	–
30	–	14	19	–	–	–

Subtraction from 10 – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring
31	–	–	–	16	–	–
32	–	–	–	–	–	–
33	–	–	–	–	–	–
34	–	15	20	–	–	–
35	12	–	–	–	–	–
36	–	–	–	17	21	27
37	–	–	–	–	–	–
38	–	16	21	–	–	–
39	–	–	–	18	–	–
40	–	–	–	–	22	28
41	13	–	–	–	–	–
42	–	–	–	–	–	–
43	–	–	–	19	23	29
44	–	17	22	–	–	–
45	–	–	–	–	–	–
46	–	–	–	–	–	–
47	14	–	–	20	24	30
48	–	–	–	–	–	–
49	–	18	23	–	–	–
50	–	–	–	–	–	–
51	–	–	–	21	–	–
52	15	–	–	–	25	31
53	–	19	24	–	26	32
54	–	–	–	22	–	–
55	–	–	–	–	27	33
56	16	–	–	–	–	–
57	–	–	–	–	–	–

Subtraction from 10 – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring
58	–	20	25	23	–	–
59	–	–	–	–	–	–
60	–	–	–	–	–	–
61	17	21	26	–	28	34
62	–	–	–	24	–	–
63	–	–	–	–	29	35
64	–	22	27	–	–	–
65	–	–	–	–	30	36
66	–	–	–	25	31	37
67	18	23	28	–	–	–
68	–	–	–	–	–	–
69	–	–	–	26	32	38
70	–	–	–	–	33	39
71	19	24	29	–	34	40
72	–	–	–	27	–	–
73	–	–	–	–	–	–
74	20	25	30	–	–	–
75	–	–	–	28	36	42
76	–	–	–	–	37	43
77	–	26	31	–	38	44
78	21	–	–	29	–	–
79	–	–	–	–	–	–
80	22	27	32	30	39	45
81	–	–	–	–	41	47
82	–	28	33	31	43	49
83	23	29	34	–	–	–
84	–	30	35	–	–	–

Subtraction from 10 – Percentile Rank to Correct Per Minute						
Percentile Rank (PR)	Grade 2			Grade 3		
	Fall	Winter	Spring	Fall	Winter	Spring
85	–	–	–	32	44	50
86	24	31	36	–	–	–
87	–	–	–	33	45	51
88	25	32	37	34	–	–
89	26	33	38	–	46	52
90	–	35	40	35	–	–
91	27	36	41	36	–	–
92	28	37	42	–	49	55
93	29	40	45	37	50	56
94	30	44	49	38	53	59
95	31	52	57	40	54	60
96	33	63	68	41	55	61
97	35	67	72	44	60	66
98	37	70	75	46	–	–
99	44	75	80	54	62	68

Mixed Addition and Subtraction

Mixed Addition and Subtraction – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade 3 Fall	Grade 3 Winter	Grade 3 Spring
1	0	0	0
2	1	2	4
3	2	3	5
4	–	–	–
5	3	4	6

Mixed Addition and Subtraction – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade 3 Fall	Grade 3 Winter	Grade 3 Spring
6	–	–	–
7	–	–	–
8	4	5	7
9	–	–	–
10	–	–	–
11	5	–	–
12	–	6	8
13	–	–	–
14	6	–	–
15	–	–	–
16	–	–	–
17	–	–	–
18	–	7	9
19	–	–	–
20	–	–	–
21	7	–	–
22	–	8	10
23	–	–	–
24	–	–	–
25	–	–	–
26	8	–	–
27	–	9	11
28	–	–	–
29	–	–	–
30	–	–	–
31	9	–	–
32	–	10	12
33	–	–	–

Mixed Addition and Subtraction – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade 3 Fall	Grade 3 Winter	Grade 3 Spring
34	–	–	–
35	–	–	–
36	–	–	–
37	10	11	13
38	–	–	–
39	–	–	–
40	–	–	–
41	–	–	–
42	–	–	–
43	11	–	–
44	–	12	14
45	–	–	–
46	–	–	–
47	–	–	–
48	–	–	–
49	–	–	–
50	12	13	15
51	–	–	–
52	–	–	–
53	–	–	–
54	–	14	16
55	–	–	–
56	13	–	–
57	–	–	–
58	–	15	17
59	–	–	–
60	–	–	–
61	14	–	–

Mixed Addition and Subtraction – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade 3 Fall	Grade 3 Winter	Grade 3 Spring
62	–	16	18
63	–	–	–
64	–	–	–
65	–	–	–
66	15	17	19
67	–	–	–
68	–	–	–
69	–	–	–
70	–	–	–
71	–	18	20
72	16	–	–
73	–	–	–
74	–	19	21
75	–	–	–
76	17	–	–
77	–	–	–
78	–	20	22
79	–	–	–
80	18	–	–
81	–	21	23
82	–	–	–
83	19	22	24
84	–	–	–
85	20	23	25
86	–	–	–
87	–	24	26
88	21	25	27
89	22	–	–

Mixed Addition and Subtraction – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade 3 Fall	Grade 3 Winter	Grade 3 Spring
90	23	26	28
91	–	27	29
92	24	–	–
93	25	28	30
94	–	29	31
95	26	30	32
96	28	32	34
97	29	34	36
98	31	36	38
99	36	39	41

Multiplication to 100

Multiplication to 100 – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade 3 Fall	Grade 3 Winter	Grade 3 Spring
1	–	0	0
2	–	2	8
3	–	–	–
4	0	3	9
5	–	–	–
6	–	4	10
7	1	–	–
8	–	5	11
9	–	–	–
10	2	–	–
11	–	6	12

Multiplication to 100 – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade 3 Fall	Grade 3 Winter	Grade 3 Spring
12	–	–	–
13	3	7	13
14	–	–	–
15	–	8	14
16	–	–	–
17	4	–	–
18	–	9	15
19	–	–	–
20	–	–	–
21	5	10	16
22	–	–	–
23	–	–	–
24	–	–	–
25	6	11	17
26	–	–	–
27	–	12	18
28	–	–	–
29	–	–	–
30	7	–	–
31	–	–	–
32	–	13	19
33	8	–	–
34	–	–	–
35	–	–	–
36	–	14	20
37	–	–	–
38	9	–	–
39	–	–	–

Multiplication to 100 – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade 3 Fall	Grade 3 Winter	Grade 3 Spring
40	–	–	–
41	–	15	21
42	10	–	–
43	–	–	–
44	–	16	22
45	–	–	–
46	–	–	–
47	11	–	–
48	–	17	23
49	–	–	–
50	12	–	–
51	–	–	–
52	–	18	24
53	–	–	–
54	13	–	–
55	–	–	–
56	–	19	25
57	–	–	–
58	–	–	–
59	14	–	–
60	–	20	26
61	–	–	–
62	15	–	–
63	–	21	27
64	–	–	–
65	–	–	–
66	16	22	28
67	–	–	–

Multiplication to 100 – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade 3 Fall	Grade 3 Winter	Grade 3 Spring
68	–	–	–
69	–	–	–
70	17	23	29
71	–	–	–
72	–	–	–
73	18	24	30
74	–	–	–
75	19	25	31
76	–	–	–
77	–	26	32
78	20	–	–
79	–	27	33
80	–	–	–
81	21	28	34
82	–	–	–
83	22	–	–
84	23	29	35
85	–	30	36
86	24	–	–
87	–	31	37
88	25	33	39
89	26	–	–
90	27	34	40
91	28	35	41
92	29	37	43
93	30	39	45
94	31	40	46
95	32	41	47

Multiplication to 100 – Percentile Rank to Correct Per Minute			
Percentile Rank (PR)	Grade 3 Fall	Grade 3 Winter	Grade 3 Spring
96	35	43	49
97	38	45	51
98	42	49	55
99	50	53	59



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