Connecting Math Concepts
Independent Work Percentages

Independent daily work is a critical measure of student mastery. A record needs to be maintained of individual and group performance. The attached charts give the percentages for the independent work that students do in the Connecting Math Concepts programs. The charts list the lesson number, the total number of items possible for each lesson and the percentage correct. The charts can be used for grading and to provide an accurate record of student performance.

Students need to be at **85 percent mastery or above** on their independent work for each lesson. Students who fall below 85 percent for three consecutive lessons have a problem and a remedy is needed. A remedy is also needed for students who frequently fall below 85 percent. If one fifth or more of the students in a group fall below 85 percent on a specific lesson, the entire group should repeat the lesson or firm-up procedures should be done with the group.

Students need to count errors accurately to calculate the correct percentage. The basic rule in counting errors is that numbered items count as one response. If a numbered item has several answers the item only counts as one response. For example, an item might tell the students to write the numbers for counting by 5 in the boxes (see below). This item counts as one response.

There are 9 correct answers. However, Part 3 only counts as one.

Remember, keep a daily record of student performance on independent work. Student mastery is 85%. Take a corrective action when 20% of the group falls below 85% mastery or when individuals score below 85% for 3 consecutive days.

If you have any questions, please email Gary Davis at gdavis@nifdi.org or call (877) 485-1973.

Lesson 1 8 Possible	Lesson 2 8 Possible	Lesson 3 16 Possible	Lesson 4 19 Possible	Lesson 5 23 Possible
-0 = 100%	-0 = 100%	-0 = 100%	-0 = 100%	-0 = 100%
-1 = 87%	-1 = 87%	-1 = 93%	-1 = 94%	-1 = 96%
-2 = 75%	-2 = 75%	-2 = 87%	-2 = 89%	-2 = 91%
-3 = 62%	-3 = 62%	-3 = 81%	-3 = 84%	-3 = 87%
-4 = 50%	-4 = 50%	-4 = 75%	-4 = 78%	-4 = 83%
-5 = 37%	-5 = 37%	-5 = 68%	-5 = 73%	-5 = 78%
-6 = 25%	-6 = 25%	-6 = 62%	-6 = 68%	-6 = 74%
-7 = 12%	-7 = 12%	-7 = 56%	-7 = 63%	-7 = 70%

Lesson 6 29 Possible	Lesson 7 31 Possible	Lesson 8 41 Possible	Lesson 9 31 Possible	Lesson 10 N/A
-0 = 100%	-0 = 100%	-0 = 100%	-0 = 100%	
-1 = 96%	-1 = 96%	-1 = 97%	-1 = 96%	
-2 = 93%	-2 = 93%	-2 = 95%	-2 = 93%	
-3 = 89%	-3 = 90%	-3 = 92%	-3 = 90%	
-4 = 86%	-4 = 87%	-4 = 90%	-4 = 87%	
-5 = 82%	-5 = 83%	-5 = 87%	-5 = 83%	
-6 = 79%	-6 = 80%	-6 = 85%	-6 = 80%	
-7 = 75%	-7 = 77%	-7 = 82%	-7 = 77%	

Lesson 11 29 Possible	Lesson 12 32 Possible	Lesson 13 36 Possible	Lesson 14 33 Possible	Lesson 15 23 Possible
-0 = 100%	-0 = 100%	-0 = 100%	-0 = 100%	-0 = 100%
-1 = 96%	-1 = 96%	-1 = 97%	-1 = 97%	-1 = 94%
-2 = 93%	-2 = 93%	-2 = 94%	-2 = 94%	-2 = 89%
-3 = 89%	-3 = 90%	-3 = 91%	-3 = 91%	-3 = 84%
-4 = 86%	-4 = 87%	-4 = 88%	-4 = 88%	-4 = 78%
-5 = 82%	-5 = 84%	-5 = 86%	-5 = 85%	-5 = 73%
-6 = 79%	-6 = 81%	-6 = 83%	-6 = 82%	-6 = 68%
-7 = 75%	-7 = 78%	-7 = 80%	-7 = 79%	-7 = 63%

Lesson 16 34 Possible	Lesson 17 22 Possible	Lesson 18 28 Possible	Lesson 19 30 Possible	Lesson 20 N/A
-0 = 100%	-0 = 100%	-0 = 100%	-0 = 100%	
-1 = 97%	-1 = 95%	-1 = 96%	-1 = 97%	
-2 = 94%	-2 = 90%	-2 = 92%	-2 = 93%	
-3 = 91%	-3 = 86%	-3 = 89%	-3 = 90%	
-4 = 88%	-4 = 81%	-4 = 85%	-4 = 87%	
-5 = 85%	-5 = 77%	-5 = 82%	-5 = 83%	
-6 = 82%	-6 = 72%	-6 = 78%	-6 = 80%	
-7 = 79%	-7 = 68%	-7 = 75%	-7 = 77%	

Connecting Math Concepts Level Bridge 2003

Independent Work % Chart

(based on total number of textbook and workbook items)

Lesson 21 37 Possible	Lesson 22 33 Possible	Lesson 23 34 Possible	Lesson 24 31 Possible	Lesson 25 31 Possible
-0 = 100%	-0 = 100%	-0 = 100%	-0 = 100%	-0 = 100%
-1 = 97%	-1 = 97%	-1 = 97%	-1 = 96%	-1 = 96%
-2 = 94%	-2 = 94%	-2 = 94%	-2 = 93%	-2 = 93%
-3 = 91%	-3 = 91%	-3 = 91%	-3 = 90%	-3 = 90%
-4 = 89%	-4 = 88%	-4 = 88%	-4 = 87%	-4 = 87%
-5 = 86%	-5 = 85%	-5 = 85%	-5 = 83%	-5 = 83%
-6 = 83%	-6 = 82%	-6 = 82%	-6 = 80%	-6 = 80%
-7 = 81%	-7 = 79%	-7 = 79%	-7 = 77%	-7 = 77%
Lesson 26 34 Possible	**Lesson 27** 30 Possible	**Lesson 28** 43 Possible	**Lesson 29** 36 Possible	**Lesson 30** N/A
-0 = 100%	-0 = 100%	-0 = 100%	-0 = 100%	
-1 = 97%	-1 = 97%	-1 = 97%	-1 = 97%	
-2 = 94%	-2 = 93%	-2 = 95%	-2 = 94%	
-3 = 91%	-3 = 90%	-3 = 93%	-3 = 91%	
-4 = 88%	-4 = 87%	-4 = 90%	-4 = 88%	
-5 = 85%	-5 = 83%	-5 = 88%	-5 = 86%	
-6 = 82%	-6 = 80%	-6 = 86%	-6 = 83%	
-7 = 79%	-7 = 77%	-7 = 83%	-7 = 80%	
Lesson 31 26 Possible	**Lesson 32** 34 Possible	**Lesson 33** 24 Possible	**Lesson 34** 31 Possible	**Lesson 35** 23 Possible
-0 = 100%	-0 = 100%	-0 = 100%	-0 = 100%	-0 = 100%
-1 = 96%	-1 = 97%	-1 = 94%	-1 = 96%	-1 = 94%
-2 = 92%	-2 = 94%	-2 = 88%	-2 = 93%	-2 = 89%
-3 = 88%	-3 = 91%	-3 = 83%	-3 = 90%	-3 = 84%
-4 = 85%	-4 = 88%	-4 = 77%	-4 = 87%	-4 = 78%
-5 = 81%	-5 = 85%	-5 = 72%	-5 = 83%	-5 = 73%
-6 = 77%	-6 = 82%	-6 = 66%	-6 = 80%	-6 = 68%
-7 = 73%	-7 = 79%	-7 = 61%	-7 = 77%	-7 = 63%
Lesson 36 19 Possible	**Lesson 37** 14 Possible	**Lesson 38** 19 Possible	**Lesson 39** 29 Possible	**Lesson 40** N/A
-0 = 100%	-0 = 100%	-0 = 100%	-0 = 100%	
-1 = 94%	-1 = 92%	-1 = 94%	-1 = 96%	
-2 = 89%	-2 = 85%	-2 = 89%	-2 = 93%	
-3 = 84%	-3 = 78%	-3 = 84%	-3 = 89%	
-4 = 78%	-4 = 71%	-4 = 78%	-4 = 86%	
-5 = 73%	-5 = 64%	-5 = 73%	-5 = 82%	
-6 = 68%	-6 = 57%	-6 = 68%	-6 = 79%	
-7 = 63%	-7 = 50%	-7 = 63%	-7 = 75%	

Lesson 41	Lesson 42	Lesson 43	Lesson 44	Lesson 45
21 Possible	**23 Possible**	**21 Possible**	**23 Possible**	**21 Possible**
-0 = 100%	-0 = 100%	-0 = 100%	-0 = 100%	-0 = 100%
-1 = 97%	-1 = 94%	-1 = 97%	-1 = 94%	-1 = 97%
-2 = 94%	-2 = 89%	-2 = 94%	-2 = 89%	-2 = 94%
-3 = 91%	-3 = 84%	-3 = 91%	-3 = 84%	-3 = 91%
-4 = 89%	-4 = 78%	-4 = 89%	-4 = 78%	-4 = 89%
-5 = 86%	-5 = 73%	-5 = 86%	-5 = 73%	-5 = 86%
-6 = 83%	-6 = 68%	-6 = 83%	-6 = 68%	-6 = 83%
-7 = 80%	-7 = 63%	-7 = 80%	-7 = 63%	-7 = 80%

Lesson 46	Lesson 47	Lesson 48	Lesson 49	Lesson 50
23 Possible	**21 Possible**	**22 Possible**	**26 Possible**	**N/A**
-0 = 100%	-0 = 100%	-0 = 100%	-0 = 100%	
-1 = 94%	-1 = 97%	-1 = 95%	-1 = 96%	
-2 = 89%	-2 = 94%	-2 = 90%	-2 = 92%	
-3 = 84%	-3 = 91%	-3 = 86%	-3 = 88%	
-4 = 78%	-4 = 89%	-4 = 81%	-4 = 85%	
-5 = 73%	-5 = 86%	-5 = 77%	-5 = 81%	
-6 = 68%	-6 = 83%	-6 = 72%	-6 = 77%	
-7 = 63%	-7 = 80%	-7 = 68%	-7 = 73%	

Lesson 51	Lesson 52	Lesson 53	Lesson 54	Lesson 55
26 Possible	**32 Possible**	**26 Possible**	**22 Possible**	**28 Possible**
-0 = 100%	-0 = 100%	-0 = 100%	-0 = 100%	-0 = 100%
-1 = 96%	-1 = 96%	-1 = 96%	-1 = 95%	-1 = 96%
-2 = 92%	-2 = 93%	-2 = 92%	-2 = 90%	-2 = 92%
-3 = 88%	-3 = 90%	-3 = 88%	-3 = 86%	-3 = 89%
-4 = 85%	-4 = 87%	-4 = 85%	-4 = 81%	-4 = 85%
-5 = 81%	-5 = 84%	-5 = 81%	-5 = 77%	-5 = 82%
-6 = 77%	-6 = 81%	-6 = 77%	-6 = 72%	-6 = 78%
-7 = 73%	-7 = 78%	-7 = 73%	-7 = 68%	-7 = 75%

Lesson 56	Lesson 57	Lesson 58	Lesson 59	Lesson 60
32 Possible	**30 Possible**	**27 Possible**	**26 Possible**	**N/A**
-0 = 100%	-0 = 100%	-0 = 100%	-0 = 100%	
-1 = 96%	-1 = 97%	-1 = 96%	-1 = 96%	
-2 = 93%	-2 = 93%	-2 = 92%	-2 = 92%	
-3 = 90%	-3 = 90%	-3 = 88%	-3 = 88%	
-4 = 87%	-4 = 87%	-4 = 85%	-4 = 85%	
-5 = 84%	-5 = 83%	-5 = 81%	-5 = 81%	
-6 = 81%	-6 = 80%	-6 = 77%	-6 = 77%	
-7 = 78%	-7 = 77%	-7 = 74%	-7 = 73%	

Lesson 61	Lesson 62	Lesson 63	Lesson 64	Lesson 65
18 Possible	**20 Possible**	**30 Possible**	**27 Possible**	**26 Possible**
-0 = 100%	-0 = 100%	-0 = 100%	-0 = 100%	-0 = 100%
-1 = 94%	-1 = 95%	-1 = 97%	-1 = 96%	-1 = 96%
-2 = 88%	-2 = 90%	-2 = 93%	-2 = 92%	-2 = 92%
-3 = 83%	-3 = 85%	-3 = 90%	-3 = 88%	-3 = 88%
-4 = 77%	-4 = 80%	-4 = 87%	-4 = 85%	-4 = 85%
-5 = 72%	-5 = 75%	-5 = 83%	-5 = 81%	-5 = 81%
-6 = 66%	-6 = 70%	-6 = 80%	-6 = 77%	-6 = 77%
-7 = 61%	-7 = 65%	-7 = 77%	-7 = 74%	-7 = 73%
Lesson 66	**Lesson 67**	**Lesson 68**	**Lesson 69**	**Lesson 70**
19 Possible	**25 Possible**	**27 Possible**	**19 Possible**	**N/A Possible**
-0 = 100%	-0 = 100%	-0 = 100%	-0 = 100%	
-1 = 94%	-1 = 98%	-1 = 96%	-1 = 94%	
-2 = 89%	-2 = 95%	-2 = 92%	-2 = 89%	
-3 = 84%	-3 = 93%	-3 = 88%	-3 = 84%	
-4 = 78%	-4 = 90%	-4 = 85%	-4 = 78%	
-5 = 73%	-5 = 88%	-5 = 81%	-5 = 73%	
-6 = 68%	-6 = 85%	-6 = 77%	-6 = 68%	
-7 = 63%	-7 = 83%	-7 = 74%	-7 = 63%	