



USER'S GUIDE

Welcome to the online resources for ***Connecting Math Concepts Comprehensive Edition***. These online tools complement the print Teacher Presentation Books, giving teachers additional ways to present and teach to mastery the skills and content your students need to gain success and confidence as mathematical thinkers.

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GETTING STARTED

When you enter **Connecting Math Concepts Comprehensive Edition** in ConnectED, you will see the Introduction Screen (Figure 1) on the Browse tab.



Figure 1

Select the appropriate program level to access of all the **Lesson Materials** for that level. (Figure 2)

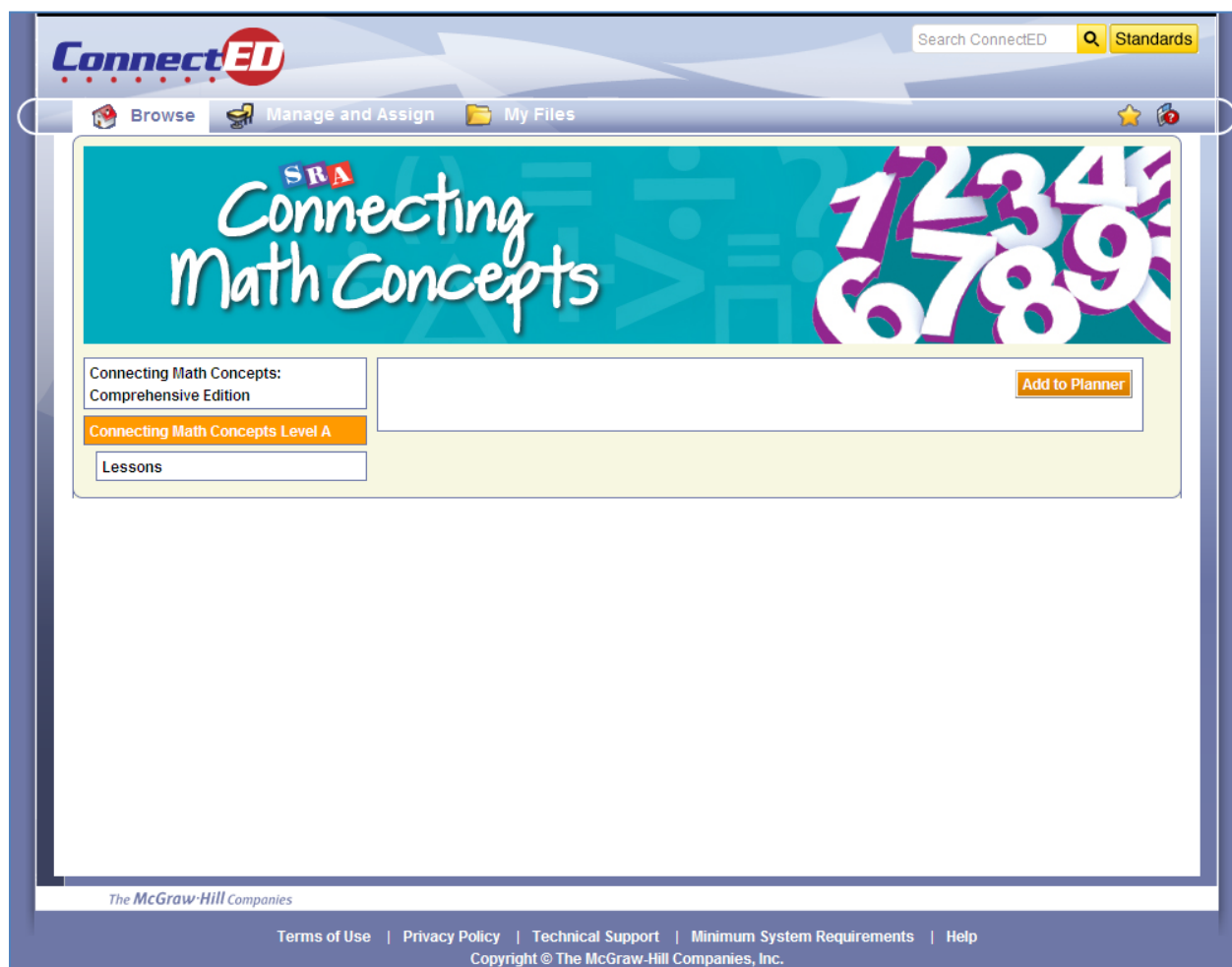


Figure 2

Select a **Lesson** to access all of the **Lesson Materials**. (Figure 3) Here you can access the **Teacher Presentation Book**, the **Board Displays** for the lesson, the **Answer Key** for the lesson, and the **SRA Inform** application.

The screenshot displays the SRA Connecting Math Concepts Level A interface. At the top, there is a navigation bar with 'Browse', 'Manage and Assign', and 'My Files' options. The main header features the title 'Connecting Math Concepts' and a large graphic of numbers 1 through 9. Below the header, the left sidebar lists 'Connecting Math Concepts: Comprehensive Edition' and 'Connecting Math Concepts Level A'. Under 'Lessons', 'Level A Lesson 1' is selected, showing a list of lesson materials from 'Level A Lesson 1P' to 'Level A Lesson 12'. The main content area, titled 'Lesson Materials', includes an 'Add to Planner' button and a list of lesson objectives. Below this, there are four preview cards for 'Teacher Material': 'Level A Lesson 1 Teacher...', 'Level A Lesson 1 Board D...', 'Level A Lesson 1 Answer...', and '2Inform'. The bottom of the interface shows a 'Local intranet | P' status bar.

Figure 3

TEACHER PRESENTATION BOOK

Select the **Teacher Presentation Book** to access the lesson in pdf format. (Figure 4)

http://connected.mcgraw-hill.com/media/repository/private_data/DOC/50000208/60/14.pdf

File Edit Go To Favorites Help

Google Search More >>

Sign In

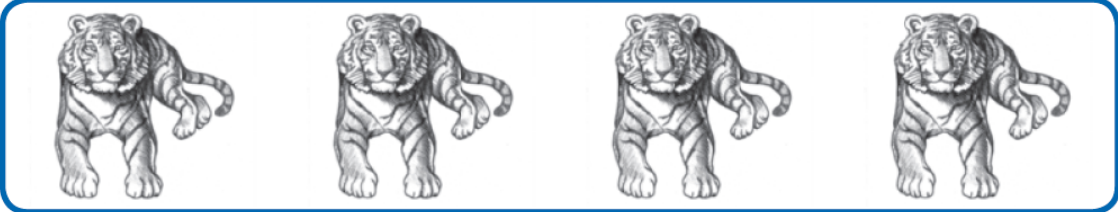
1 / 10 81.9% Find

Lesson 1

EXERCISE 1: ROTE COUNTING—Count to 4

Note: (Do not display the page until step g.)

- a. Listen to me count: 1, 2, 3. I ended up with 3.
 - Once more: 1, 2, 3. What number did I end up with? (Signal.) 3. Yes, 3.
(Repeat step a until firm—children's response is correct and on cue.)
- b. Listen: 1, 2, 3, 4, 5, 6. What number did I end up with? (Signal.) 6. Yes, 6.
- c. Listen: 1, 2, 3, 4, 5. What number did I end up with? (Signal.) 5.
- d. Listen: 1, 2, 3, 4. What number did I end up with? (Signal.) 4.
 - Listen again: 1, 2, 3, 4. What number? (Signal.) 4.
- e. Let's all count and end up with 4. Every time I tap, you count. Get ready. (Tap 4 as you say with children: 1, 2, 3, 4.
(Repeat step e until firm.)
- f. Your turn: Count and end up with 4. Get ready. (Tap 4.) 1, 2, 3, 4.
(Repeat step f until firm.)
 - Do it once more, and I'll show you a picture of 4. Count and end up with 4. Get ready. (Tap 4.) 1, 2, 3, 4.
- g. (Display page.) [1:1A]
Here's a picture of 4. The picture shows 4 tigers.
What are these 4 things? (Signal.) Tigers.
Yes, these 4 things are tigers.
 - Listen: I know how many tigers there are. 4.
I'll count them. (Touch and count: 1, 2, 3, 4.
 - Everybody, how many tigers? (Signal.) 4.
(Repeat step g until firm.)



2 Lesson 1

Connecting Math Concepts

Figure 4

BOARD DISPLAYS

Select **Board Displays** to launch instructional math visuals related to the lesson. (Figure 5)

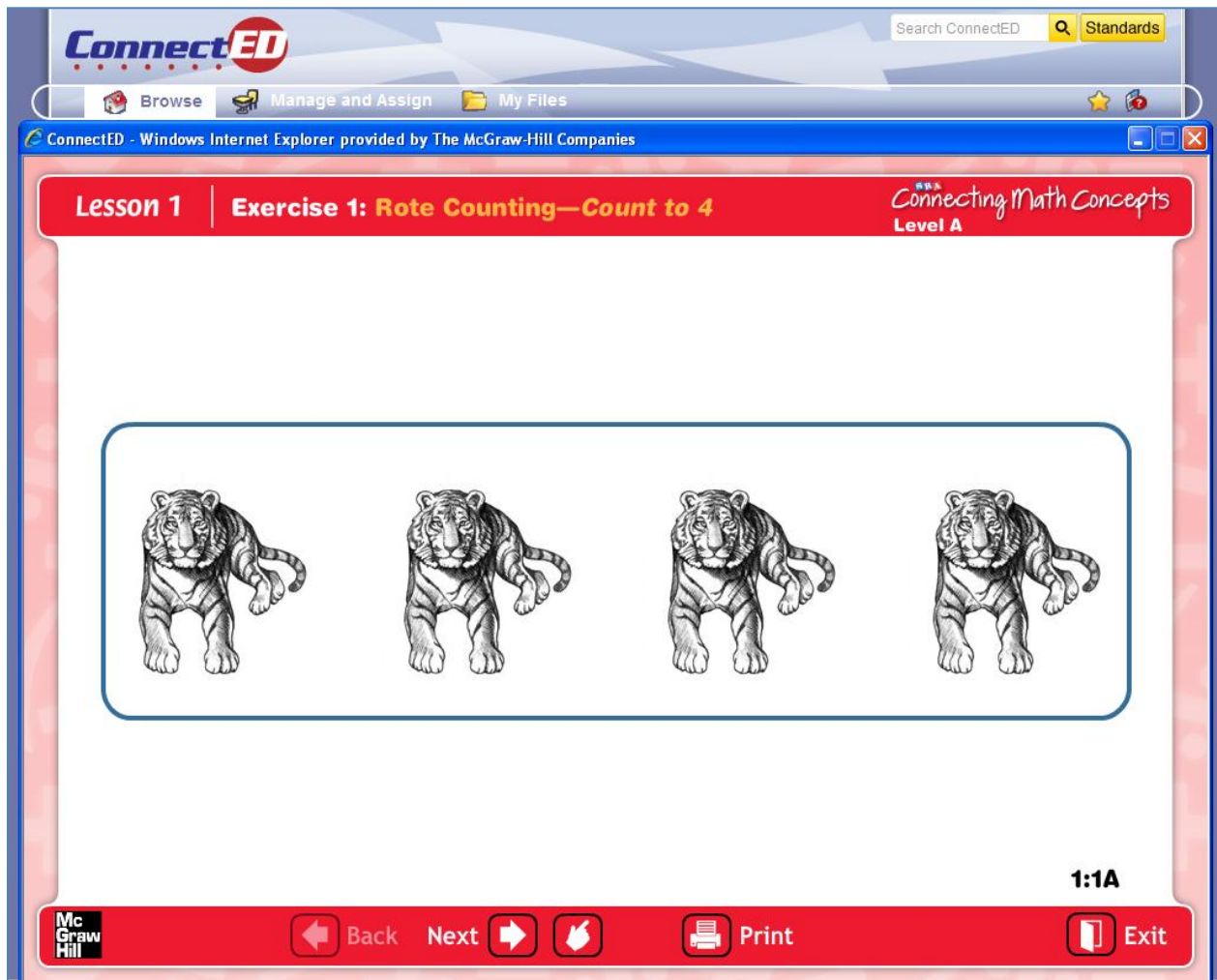


Figure 5

There are three types of **Board Displays**: *Static*, *Progressive*, and *Interactive*.

Figures 6-8 are *Static Board Displays*.

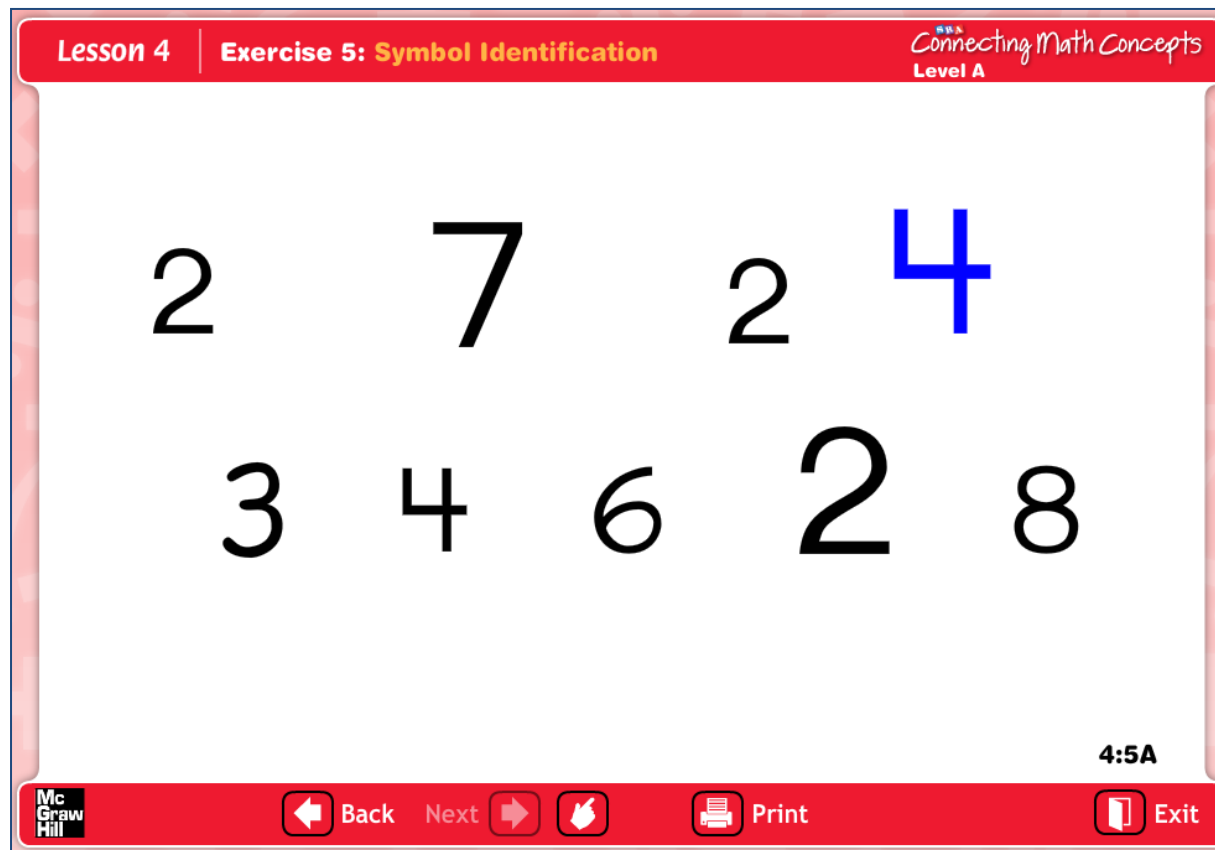


Figure 6

Lesson 59
Exercise 2: Counting Dollars

Connecting Math Concepts
Level B


















59:2A


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Figure 7

Lesson 111
Exercise 7: Multiplication—From Pictures

Connecting Math Concepts
Level C

a. $9 \times \underline{\quad} = 27$

111:7C





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Figure 8

Figures 9-10 are *Progressive Board Displays*.

Lesson 95
Exercise 3: Money Addition/Subtraction—
Column Problems
Connecting Math Concepts
Level C

$$\begin{array}{r}
 4 \\
 \$ 7.52 \\
 - 3.19 \\
 \hline
 \$ 4.33
 \end{array}$$

95:3A

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Figure 9

Lesson 95
Exercise 3: Money Addition/Subtraction—
Column Problems
Connecting Math Concepts
Level C

$$\begin{array}{r}
 4 \\
 \$ 7.52 \\
 - 3.19 \\
 \hline
 \$ 4.33
 \end{array}$$

$$\begin{array}{r}
 1 \\
 \$ 4.49 \\
 + .15 \\
 \hline
 \$ 4.64
 \end{array}$$

$$\begin{array}{r}
 2 \\
 \$ 3.185 \\
 - 1.90 \\
 \hline
 \$ 1.95
 \end{array}$$

$$\begin{array}{r}
 4 \\
 \$ 5.108 \\
 - 4.25 \\
 \hline
 \$.83
 \end{array}$$

95:3B

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Figure 10

Figures 11-14 are *Interactive Board Displays*.

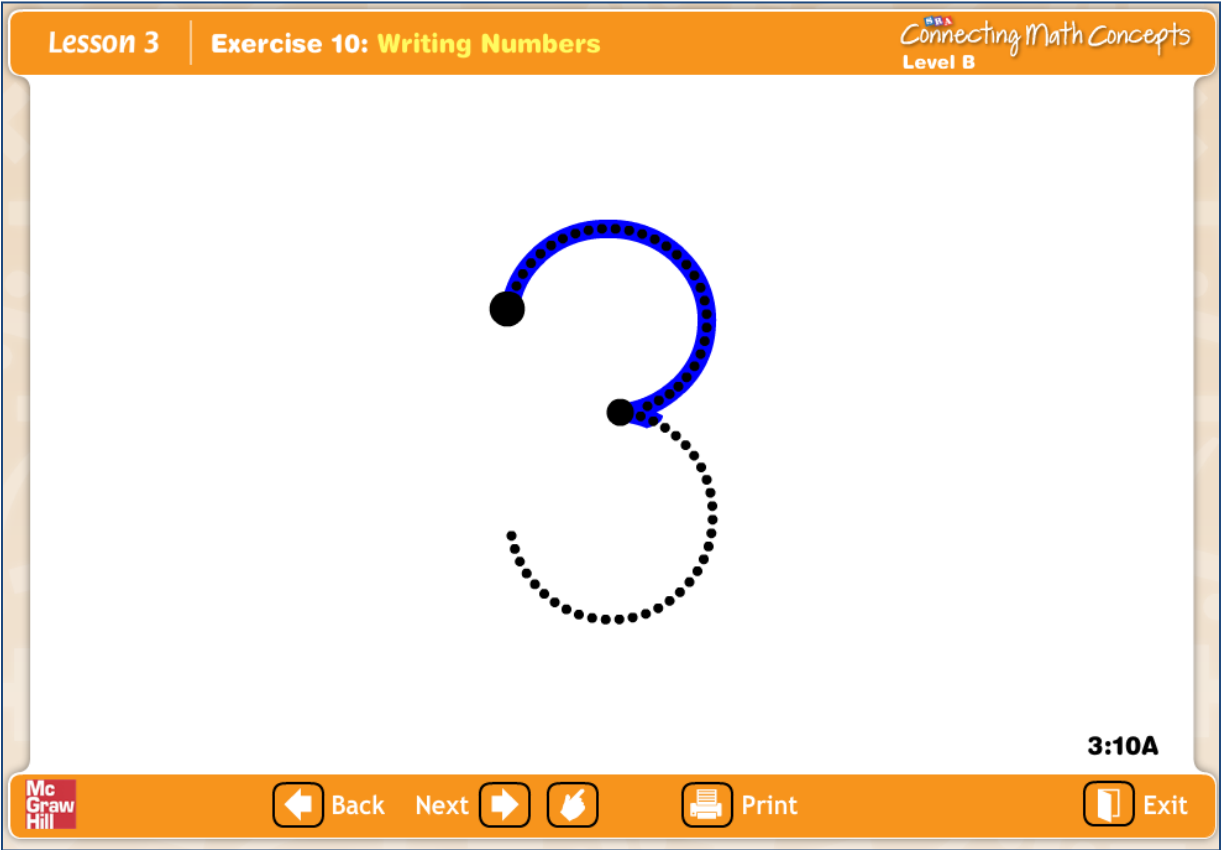


Figure 11

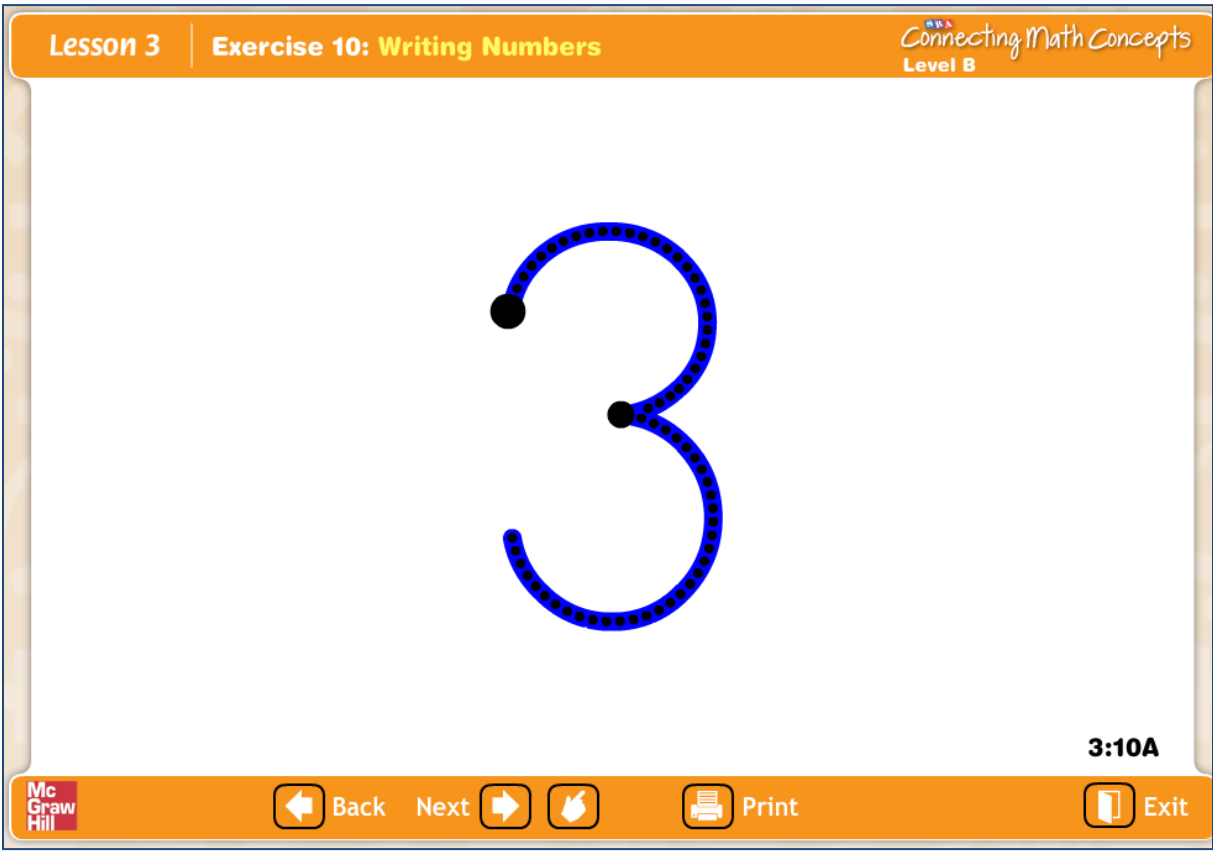


Figure 12

Lesson 17

Exercise 2: Counting Events

*** Connecting Math Concepts
Level A



A hand is shown holding a bunch of colorful crayons (red, orange, yellow, green, blue, purple) above a blue cup. The crayons are bundled together and held in the palm of the hand.

17:2A

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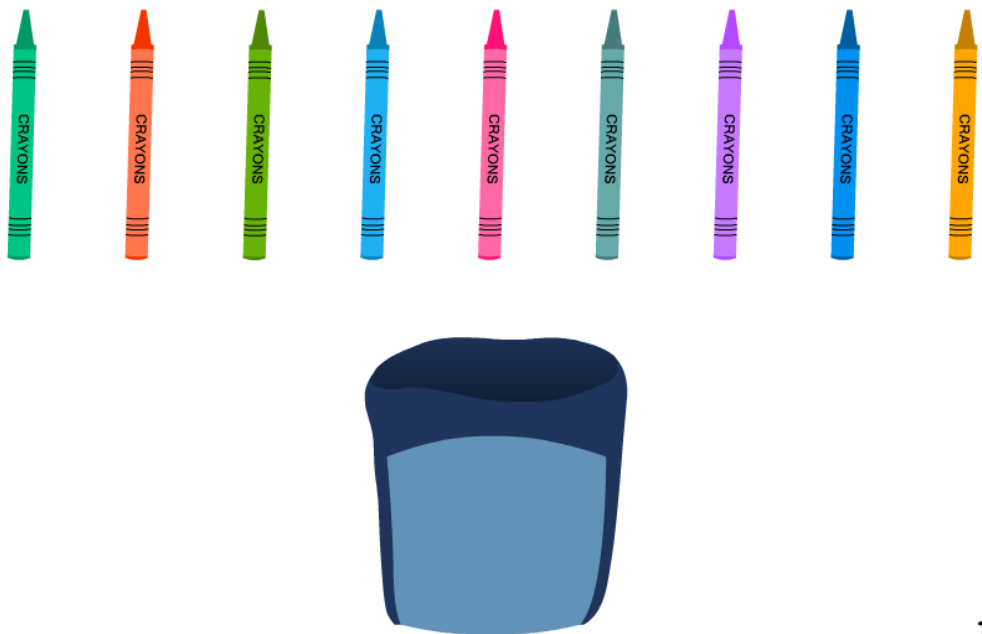
Exit

Figure 13

Lesson 17

Exercise 2: Counting Events

*** Connecting Math Concepts
Level A



Nine individual crayons of different colors (green, orange, light green, blue, pink, teal, purple, dark blue, yellow) are shown standing upright in a row above a blue cup. Each crayon has the word "CRAYONS" written vertically on its side.

17:2B

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Figure 14

ANSWER KEYS

Select the **Answer Key** to access answers to all exercises in the lesson in pdf format. (Figure 15)

The screenshot displays a web browser window with the address bar showing a URL from mcgraw-hill.com. The browser's menu bar includes File, Edit, Go To, Favorites, and Help. The Google search bar is visible, along with a 'Sign In' link. The worksheet content is divided into two main sections, Lesson 1 and Lesson 1P.

Lesson 1: The top section has a 'Name' line and a counting line with a crocodile. Below this is a matching exercise where the number 4 is connected to four items: a dog, a cat, a car, and a tiger. The bottom section is a larger matching exercise with the number 4 connected to four items: a dog, a cat, a car, and a tiger.

Lesson 1P: The top section has a 'Name' line and a counting line with a crocodile. Below this is a matching exercise where the number 4 is connected to four items: a dog, a cat, a car, and a tiger. The bottom section is a larger matching exercise with the number 4 connected to four items: a dog, a cat, a car, and a tiger.

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Connecting Math Concepts

Lesson 1 1

2 Lesson 1P

Connecting Math Concepts

Figure 15

SRA 2Inform

Select **SRA 2Inform** to launch the **Connecting Math Concepts Comprehensive Edition** application for recording, reporting, and analyzing student performance data. (Figure 16) You can access the User's Guide for **SRA 2Inform** in pdf format in **ConnectED**.

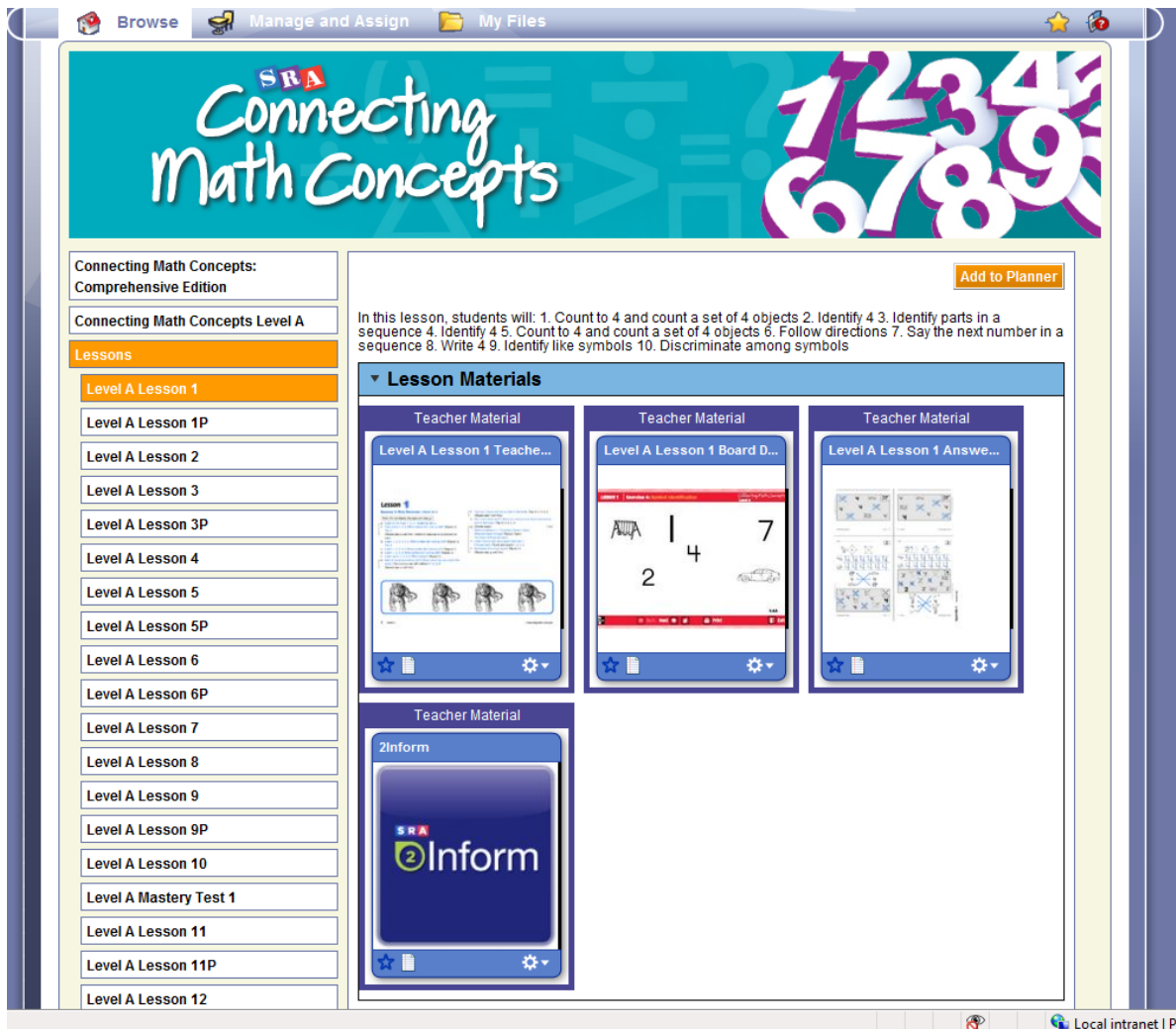


Figure 16

The **SRA 2Inform** application will open in a separate window (Figure 17). From this screen, select the program for which you wish to enter data (Figure 18).

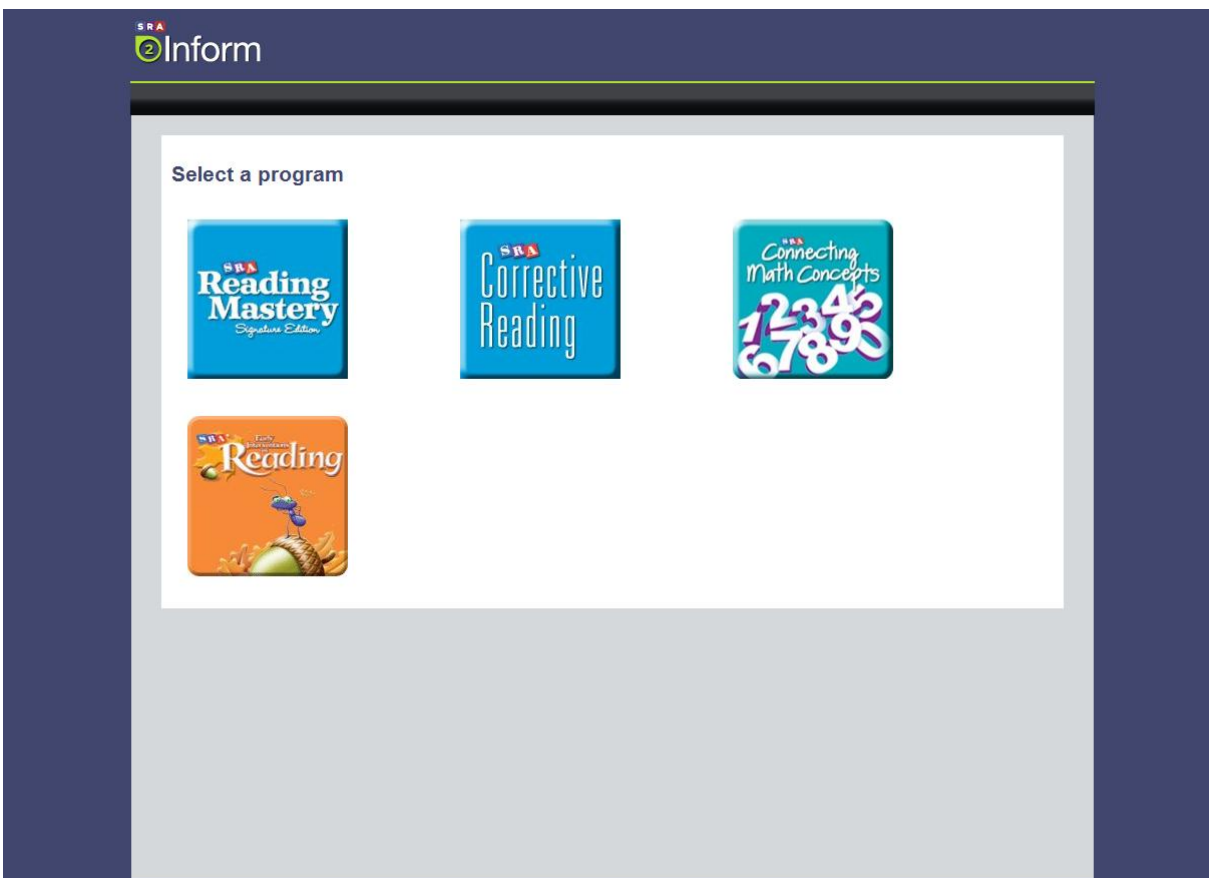


Figure 17

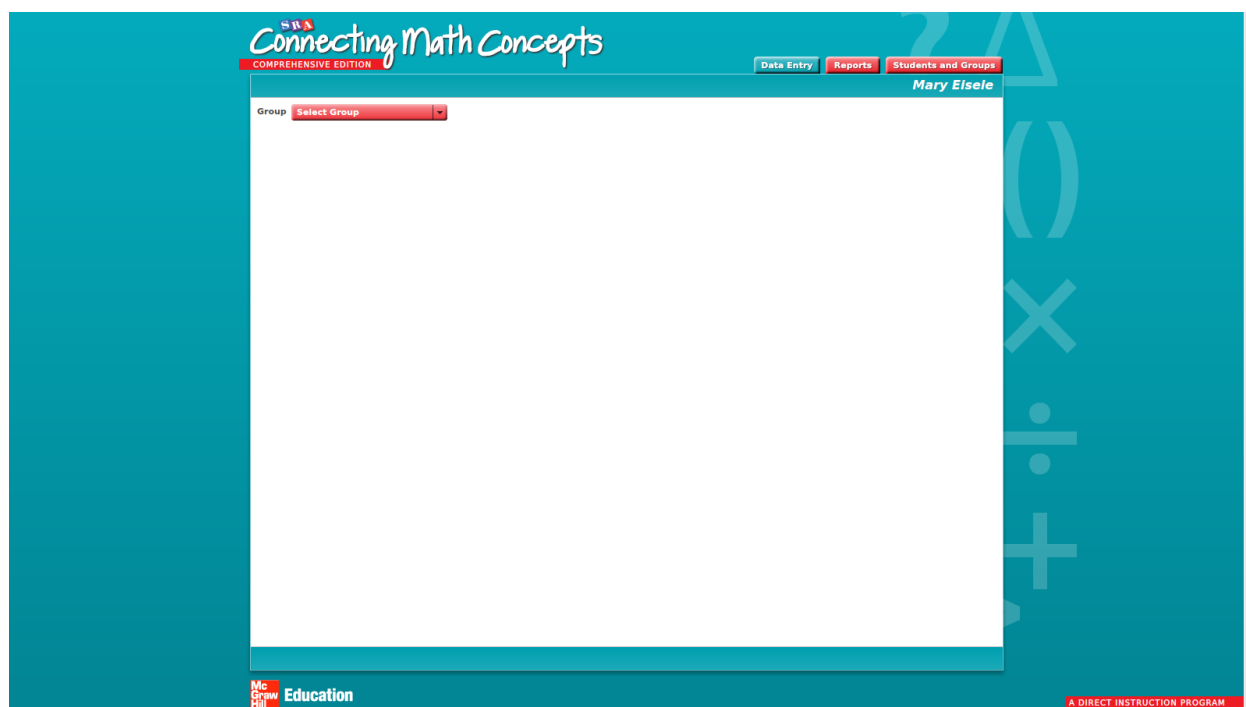


Figure 18

ASSESSMENT MATERIALS

Select a **Mastery Test** from the **Lessons** to access all of the assessment materials. (Figure 19) Here you can access the **Board Displays** (if applicable), the **Mastery Test** (including remedies), the **Mastery Test Answer Key**, and the **Mastery Test Summary Sheet** and **Group Summary Sheets**.

The screenshot displays the ConnectED SRA Connecting Math Concepts interface. At the top, there is a navigation bar with the ConnectED logo, a search bar, and a 'Standards' button. Below this is a secondary navigation bar with 'Browse', 'Manage and Assign', and 'My Files' options. The main content area features a large banner with the text 'Connecting Math Concepts' and large numbers 1 through 9. On the left side, there is a sidebar with a list of lessons under the heading 'Lessons'. The lessons listed are Level B Lesson 1 through Level B Lesson 18, with Level B Lesson 11 being the selected item. To the right of the sidebar, there is a section titled 'Lesson Materials' which contains four preview cards for 'Level B Mastery Test 2', 'Level B Mastery Test 2 A...', 'Level B Mastery Test 2 S...', and 'Level B Group Summary ...'. Each card includes a star icon, a document icon, and a settings icon. An 'Add to Planner' button is located in the top right corner of the main content area.

Figure 19

Select **Mastery Test** to access the test in pdf format. (Figure 20)

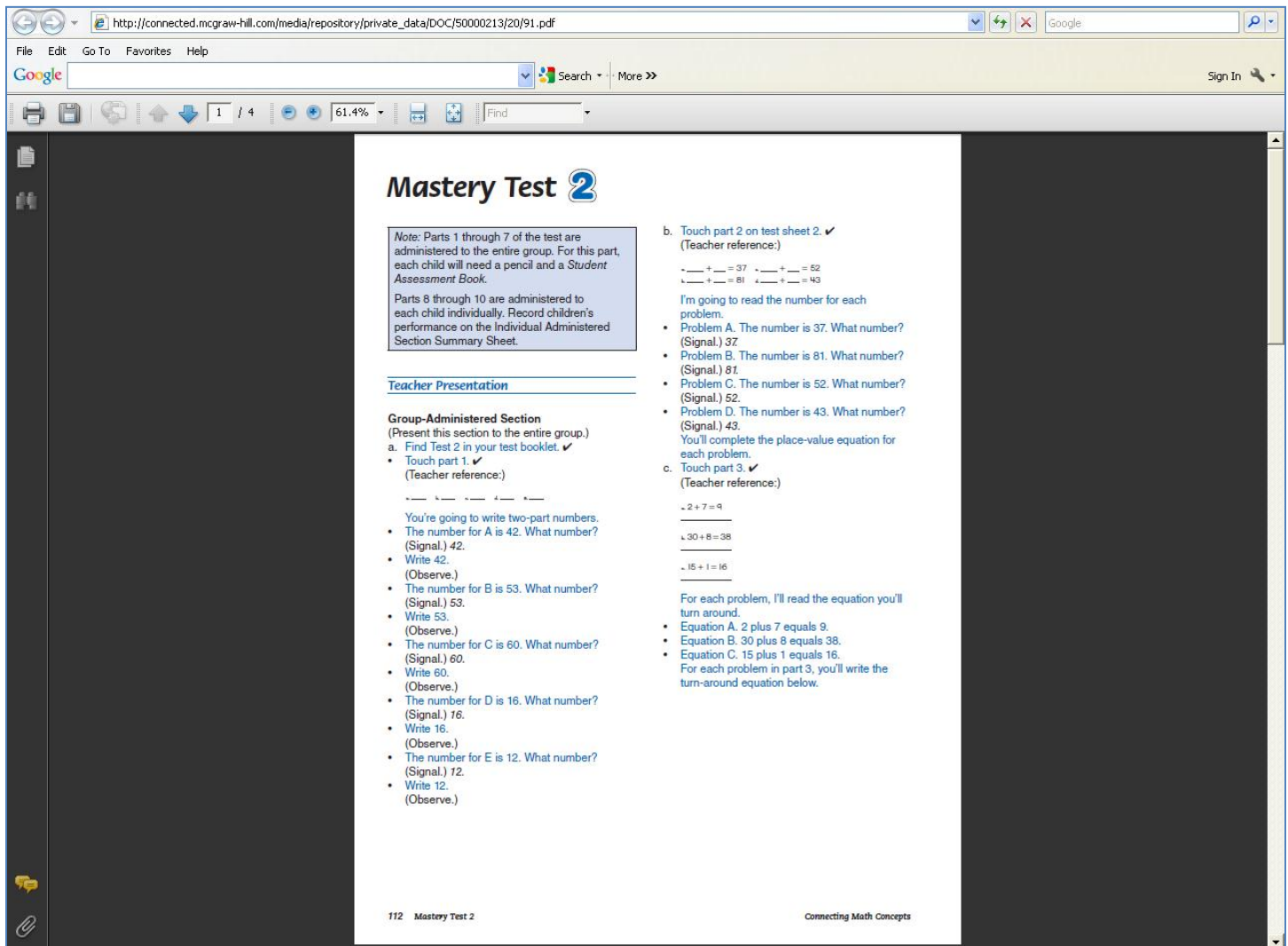


Figure 20

Select the **Answer Key** to access answers to all questions in the **Mastery Test** in pdf format. (Figure 21)

http://connected.mcgraw-hill.com/media/repository/private_data/DOC/50000213/21/21.pdf

File Edit Go To Favorites Help

Google Search More >>

Sign In

1 / 4 61.4%

Find

Part	Test Items	Remedy		Student Material Remedies Worksheet
		Lesson	Exercise	
1	Writing Teen Numbers	5	1	—
		8	11	Part A
		9	8	Part B
2	Writing Tens Numbers	8	10	Part C
		9	10	Part D
		10	9	Part E
3	Plus 1	2	6	—
		5	2	—
		7	6	—
4	Plus 10	7	10	Part F
		4	6	—
		7	4	—
5	Count by Ones	9	7	Part G
		5	3	—
		7	1	—
6	Count by Tens, Plus 10	9	1	—
		4	6	—
		8	3	—
7	2-part Numbers	9	4	—
		7	7	—
		9	5	—
8	Count Backward, Minus 1	5	8	—
		8	5	—
		9	3	—

Mastery Test 2

Part	Score	Possible Score	Passing Score
1	2 for each correct answer	10	8
2	2 for each correct equation	8	6
3	3 for each equation	9	9
4	1 for each equation	8	6
5	1 for each equation	8	6
6	1 for each equation	9	7
7	1 for each equation	8	7
8	4 for correct counting 1st time, 3 for correct 2nd try	12	9
9	3 for correct counting 1st time, 2 for correct 2nd try	9	6
10	1 for each equation	12	10
11	1 for each equation	7	7
Total		100	

Mastery Test 2 Name: _____

Part 1

a. 42 b. 53 c. 60 d. 16 e. 12

Part 2

a. 30 + 7 = 37 c. 50 + 2 = 52

b. 80 + 1 = 81 d. 40 + 3 = 43

Part 3 **Part 4** **Part 5**

a. $2 + 7 = 9$ a. $2 + 1 = 3$ a. $8 + 1 = 9$

b. $7 + 2 = 9$ b. $12 + 1 = 13$ b. $8 + 2 = 10$

c. $30 + 8 = 38$ c. $6 + 1 = 7$ c. $3 + 1 = 4$

d. $8 + 30 = 38$ d. $16 + 1 = 17$ d. $3 + 2 = 5$

e. $15 + 1 = 16$ e. $3 + 1 = 4$ e. $5 + 1 = 6$

f. $1 + 15 = 16$ f. $13 + 1 = 14$ f. $5 + 2 = 7$

g. $7 + 1 = 8$ g. $7 + 1 = 8$ g. $7 + 1 = 8$

h. $9 - 1 = 8$ h. $8 - 1 = 7$ h. $10 - 1 = 9$

i. $6 - 1 = 5$ i. $2 - 1 = 1$ i. $5 - 1 = 4$

j. $3 - 1 = 2$ j. $4 - 1 = 3$ j. $7 - 1 = 6$

266 Answer Key

Connecting Math Concepts

Figure 21

Select **Mastery Test Summary Sheet** to access a printable summary sheet in pdf format. (Figure 22)

http://connected.mcgraw-hill.com/media/repository/private_data/DOC/50000222/87/49.pdf

File Edit Go To Favorites Help

Google Search More >>

Sign In

67.8%

Find

Mastery Test 2
Individually Administered
Section Summary Sheet

Name _____

Part 8-Count by Tens

Task	Points	
80-90	4, 3 or 0	
Place Tens	50-60	4, 3 or 0
Place Tens	51-61	4, 3 or 0
Total points for Part 8		
Patent child if < 9/12.		

Part 9-Count Backward

Task	Points
8-1	3, 2 or 0
48-41	3, 2 or 0
49-40	3, 2 or 0
Total points for Part 9	
Patent child if < 6/9.	

Part 10-Reading Numbers

Number	What's...?	Points
108	underlined part	1 or 0
	whole number	1 or 0
116	underlined part	1 or 0
	whole number	1 or 0
160	underlined part	1 or 0
	whole number	1 or 0
106	underlined part	1 or 0
	whole number	1 or 0
140	underlined part	1 or 0
	whole number	1 or 0
104	underlined part	1 or 0
	whole number	1 or 0
Total points for Part 10		
Patent child if < 10/12.		

Part 11-Number Family

Question	Points	
How many numbers?	1 or 0	
How many ones?	1 or 0	
How many tens?	1 or 0	
5 → 2	small numbers?	1 or 0
	big numbers?	1 or 0
3 → 4	small numbers?	1 or 0
	big numbers?	1 or 0
Total points for Part 11		
Patent child if < 7/7.		

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Figure 22

Select **Group Summary Sheet** to access a printable group summary sheet in pdf format. (Figure 23)

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Remedy Summary—Group Summary of Test Performance

Note: Test remedies are specified in the Answer Key. All Mastery Tests are 100 percent on the student's score is also the total percentage.

Name	Test 1				Test 2							Test 3							
	Check parts not passed				Check parts not passed				Total %			Check parts not passed				Total %			
	1	2	3	4	1	2	3	4	5	6	7	1	2	3	4	5	6	7	8
1.																			
2.																			
3.																			
4.																			
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			
11.																			
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23.																			
24.																			
25.																			
26.																			
27.																			
28.																			
29.																			
30.																			
Number of students																			
Number of students - NP																			
Total number of students = T																			
Remedy needed if NP/T = 25% or more																			

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Figure 23

RESOURCE LIBRARY

You can access the **Teacher Presentation eBooks**, **Answer Keys**, **Math Fact Worksheets**, **SRA 2Inform**, **Online Practice Activities**, and other digital content for a grade level by choosing the **Resource Library** button on the Introduction Screen. (Figure 24)



Figure 24

Select the appropriate resource from the list below the orange **Resource Library** bar. (Figure 25)



Figure 25

TEACHER PRESENTATION eBooks

Select **Teacher Presentation eBooks** to access field-tested, scripted lessons that describe what to say and do. **Teacher Presentation eBooks** include lesson planning pages and Common Core State Standards correlations. (Figure 26)

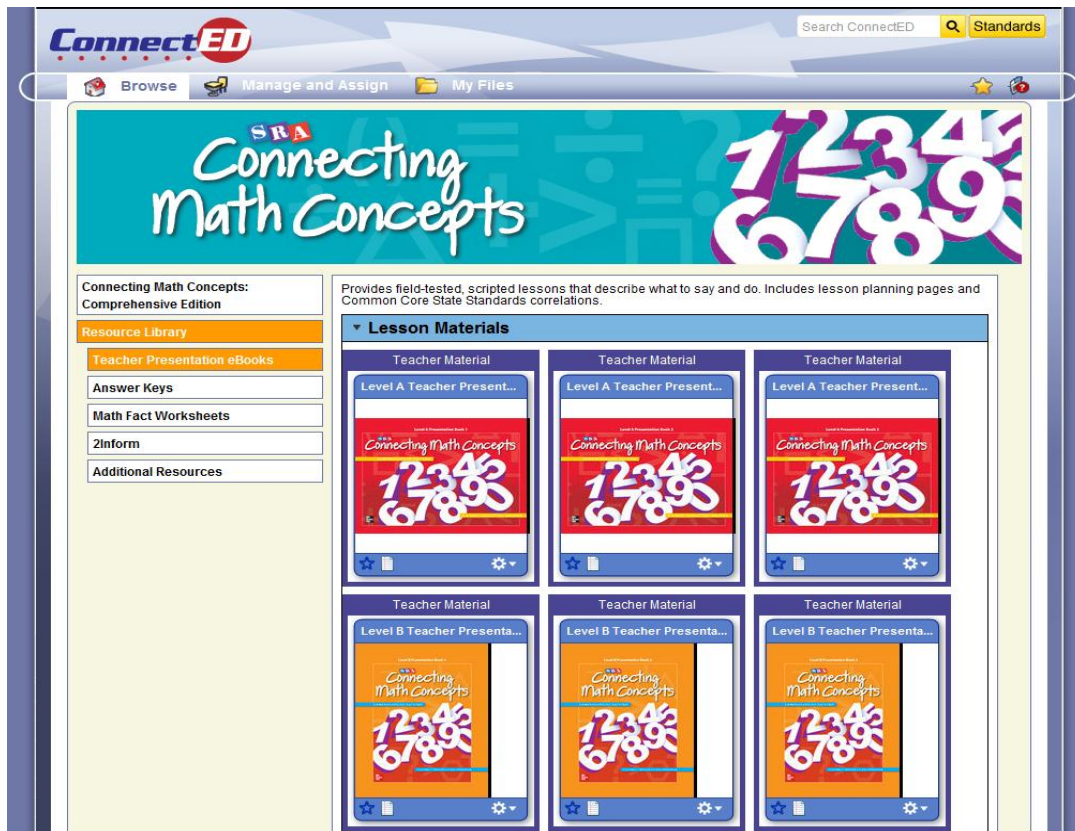


Figure 26

ANSWER KEYS

You can also access the **Answer Keys** from the **Resource Library**. Then select the appropriate **Teacher Presentation Book**. (Figure 27)

The screenshot shows the ConnectED website interface. At the top, there is a search bar labeled 'Search ConnectED' and a 'Standards' button. Below the header, there are navigation tabs: 'Browse', 'Manage and Assign', and 'My Files'. The main content area is titled 'Connecting Math Concepts' with a large graphic of numbers 1 through 9. On the left, a sidebar lists various resources: 'Connecting Math Concepts: Comprehensive Edition', 'Resource Library' (highlighted), 'Teacher Presentation eBooks', 'Answer Keys' (highlighted), 'Math Fact Worksheets', '2Inform', and 'Additional Resources'. The main content area displays a grid of 'Lesson Materials' under the heading 'Level A Teacher Presentation Book 1 Answer Key'. A tooltip indicates that this material contains answers to exercises in all lessons and mastery tests. The grid shows six thumbnails of teacher presentation materials, each with a star icon and a settings gear.

Figure 27

MATH FACT WORKSHEETS

You can access the **Math Fact Worksheets** from the **Resource Library**. Then select “Preview” from the drop-down menu to open the **Math Fact Worksheets** in pdf format. (Figure 28)

The screenshot displays the ConnectED website interface. At the top, the 'ConnectED' logo is on the left, and a search bar with 'Search ConnectED' and a 'Standards' button is on the right. Below the header, there are navigation tabs: 'Browse', 'Manage and Assign', and 'My Files'. The main content area features a large banner for 'Connecting Math Concepts' with the SRA logo and large numbers 1 through 9. On the left side, there is a 'Resource Library' sidebar with a list of categories: 'Teacher Presentation eBooks', 'Answer Keys', 'Math Fact Worksheets' (highlighted in orange), '2Inform', and 'Additional Resources'. The main content area shows a section titled 'Lesson Materials' with a sub-header 'Teacher Material'. Below this, there are three cards for 'Level A Math Fact Works...', 'Level B Math Fact Worksh...', and 'Level C Math Fact Works...'. Each card displays a thumbnail of the worksheet cover. A dropdown menu is open over the first card, showing options: 'Preview', 'View Details', and 'Email Resource Details'.

Figure 28

SRA 2Inform

You can also access **SRA 2Inform** from the **Resource Library**. (Figure 29) You can access the User's Guide for **SRA 2Inform** in pdf format in **ConnectED**.

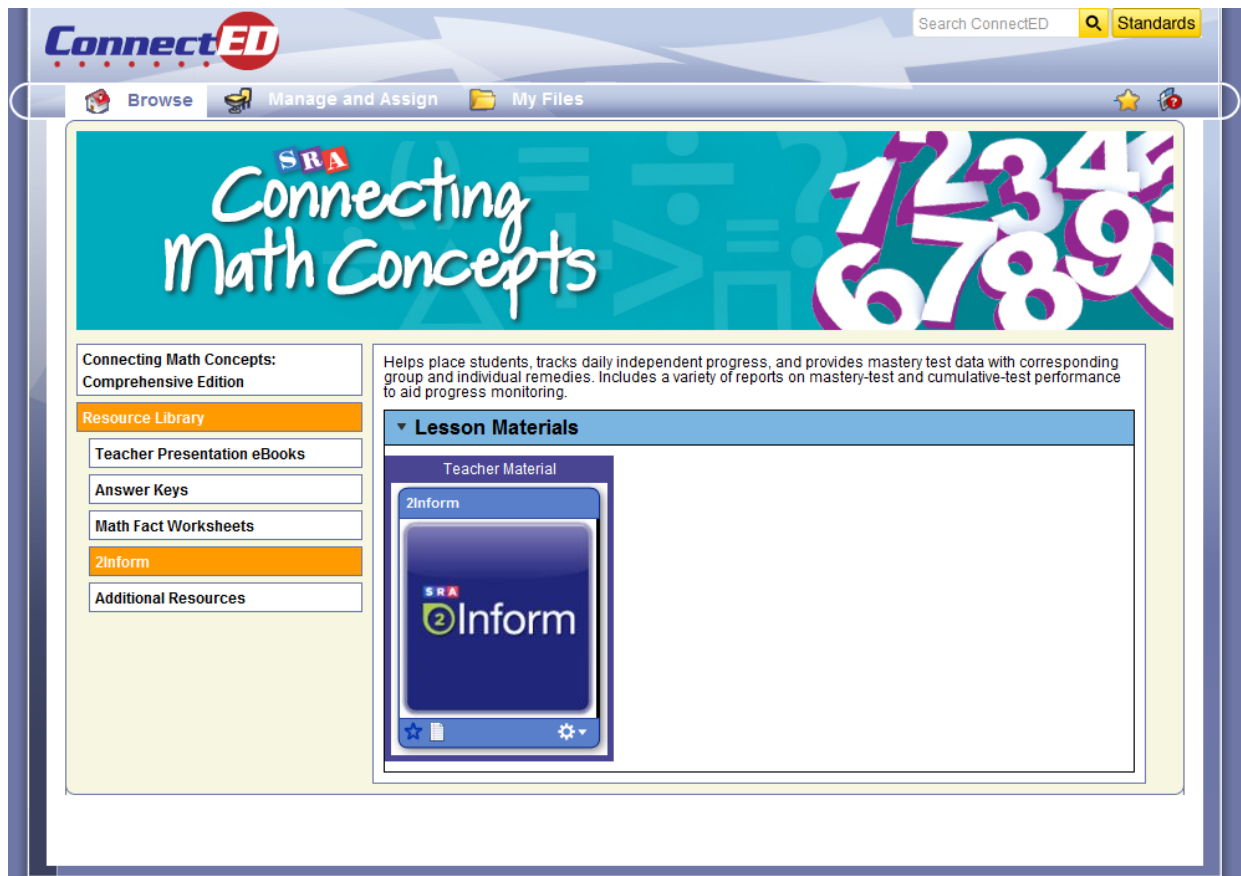


Figure 29

The **SRA 2Inform** application will open in a separate window (Figure 30). From this screen, select the program for which you wish to enter data (Figure 31).

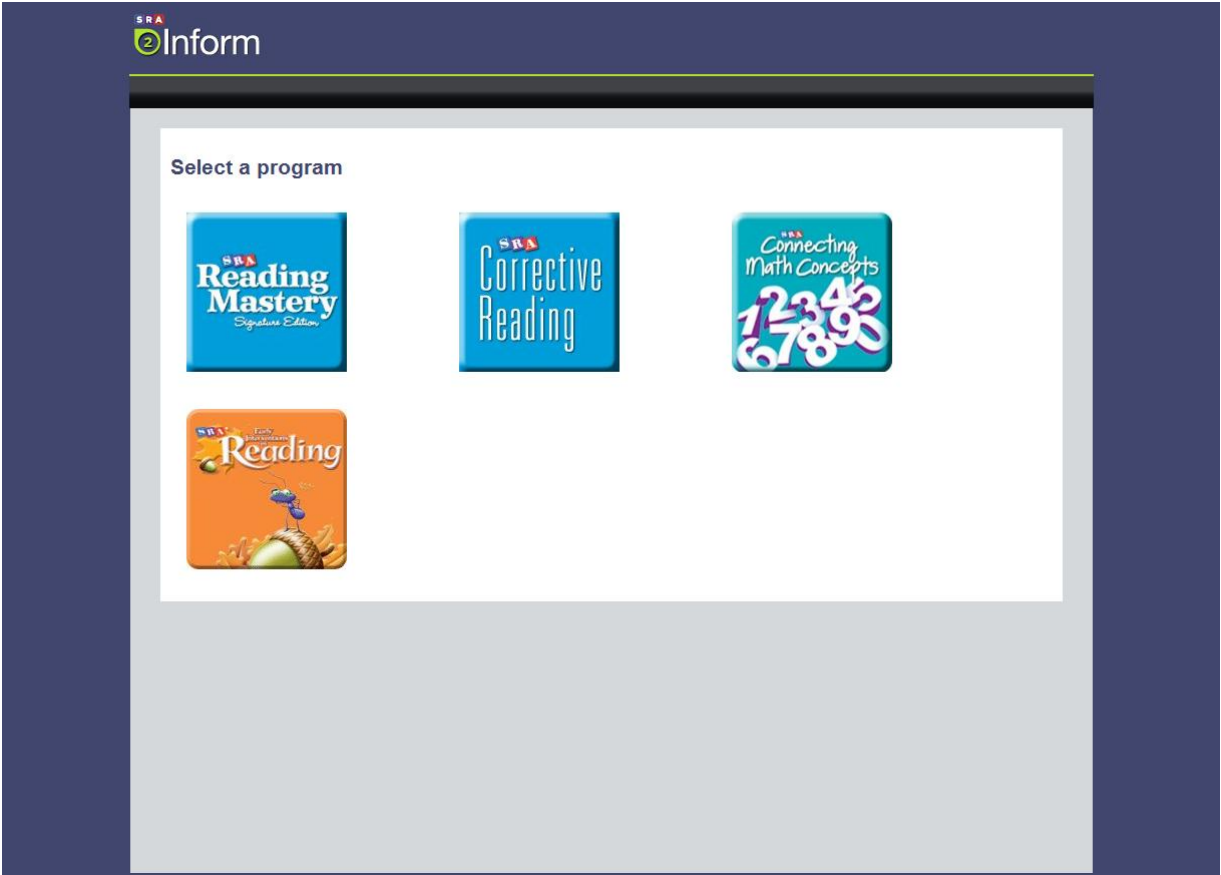


Figure 30

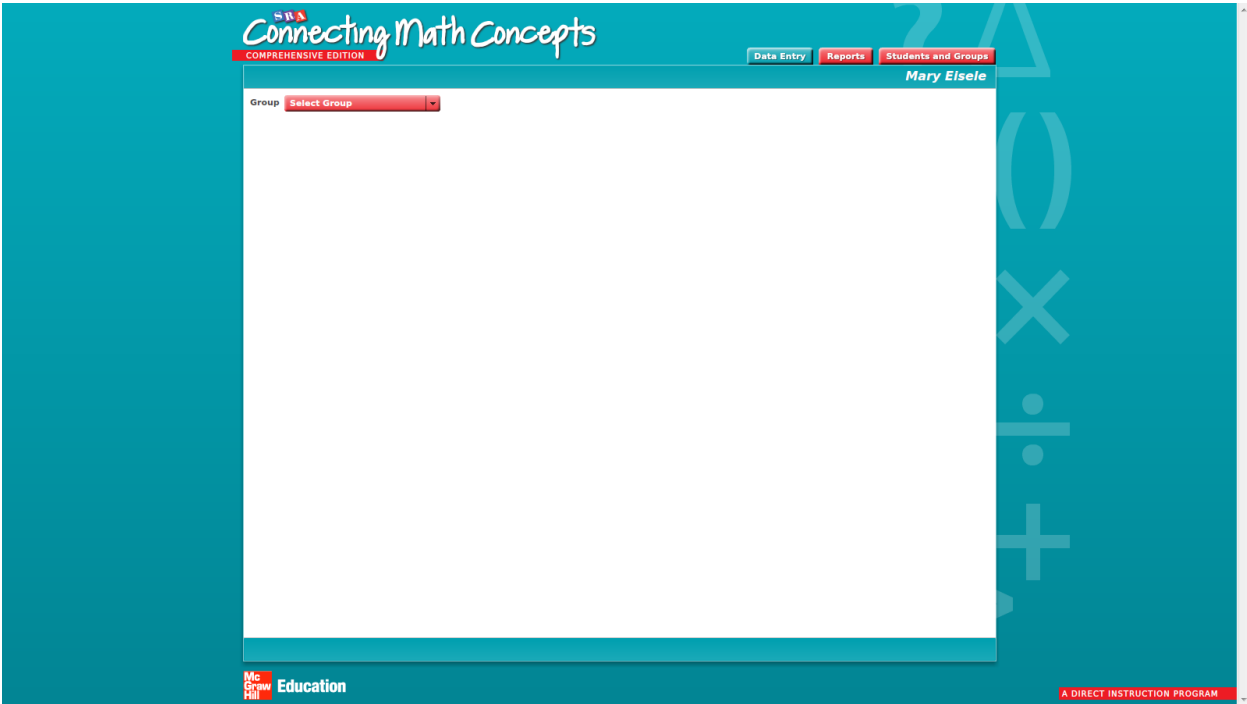


Figure 31

ADDITIONAL RESOURCES

You can access **Correlations**, **Practice Software**, **Teacher's Guide eBooks**, and the **User's Guide** by choosing the **Additional Resources** under the **Resource Library** bar. (Figure 32)

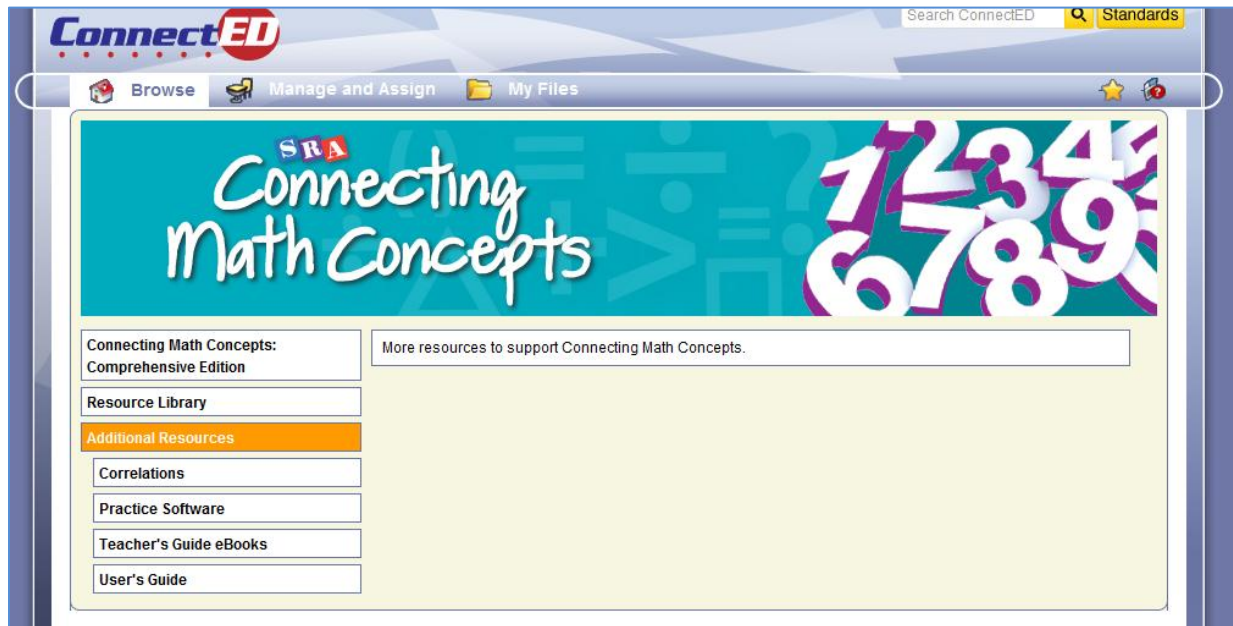


Figure 32

CORRELATIONS

Select **Correlations** to access to the correlations between *Connecting Math Concepts Comprehensive Edition* and the Common Core State Standards and NCTM Curriculum Focal Points. (Figure 33)

The screenshot displays the ConnectED website interface. At the top, the ConnectED logo is on the left, and a search bar with the text "Search ConnectED" and a "Standards" button is on the right. Below the header, there is a navigation bar with icons and labels for "Browse", "Manage and Assign", and "My Files". The main content area features a large banner for "Connecting Math Concepts" with the SRA logo and large numbers 1 through 9. On the left side, there is a sidebar menu with the following items: "Connecting Math Concepts: Comprehensive Edition", "Resource Library", "Additional Resources" (highlighted in orange), "Correlations" (highlighted in orange), "Practice Software", "Teacher's Guide eBooks", and "User's Guide". The main content area is titled "Correlations to NCTM Curriculum Focal Points and to Common Core State Standards for Mathematics". Below this title, there is a section labeled "Lesson Materials" with a dropdown arrow. Under "Lesson Materials", there are three columns, each titled "Teacher Material". The first column is titled "Level A Focal Point Correl..." and shows a document preview. The second and third columns are titled "Level A Teacher Present..." and also show document previews. Each document preview has a star icon, a document icon, and a settings gear icon at the bottom.

Figure 33

PRACTICE SOFTWARE

Select **Practice Software** to access software that provides students with additional practice and reinforcement of program content, including math facts. (Figure 34)

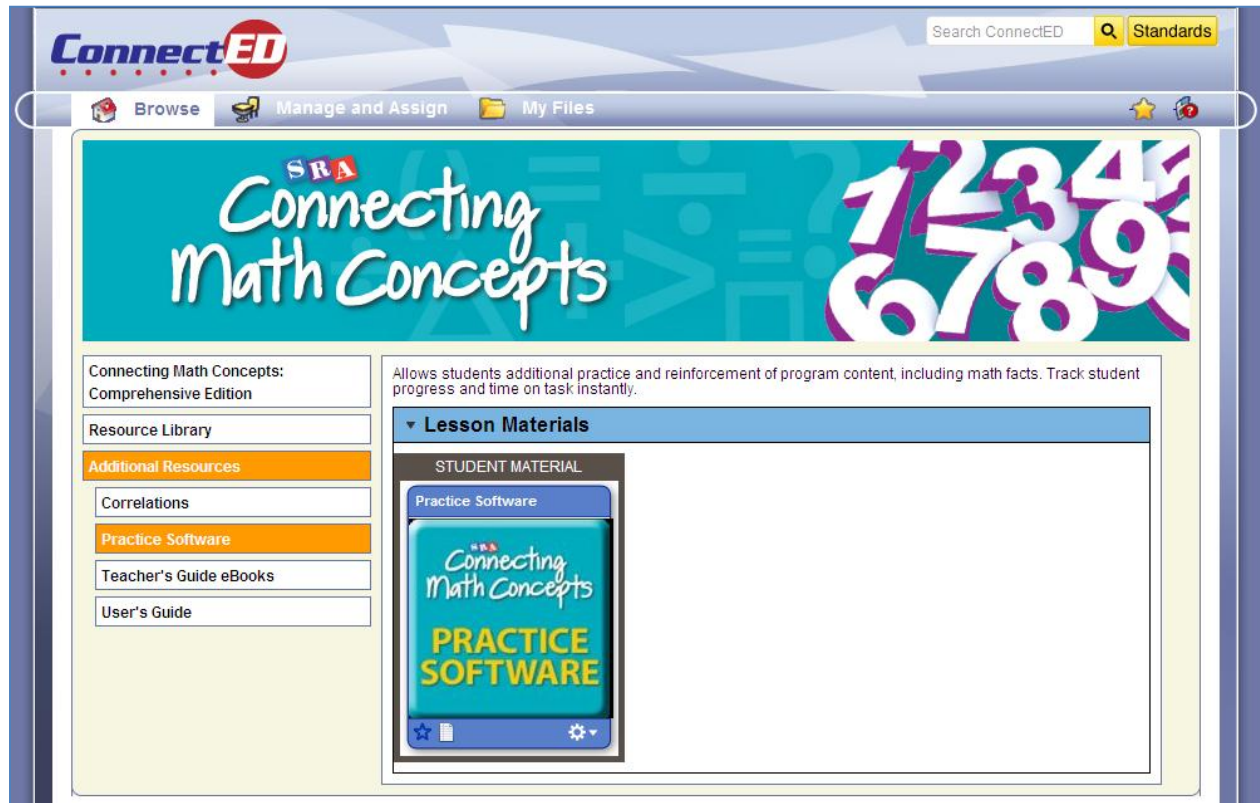


Figure 34

Select **Teacher's Guide eBooks** to access instructional strategies, teaching tips, and scope and sequence. (Figure 35)

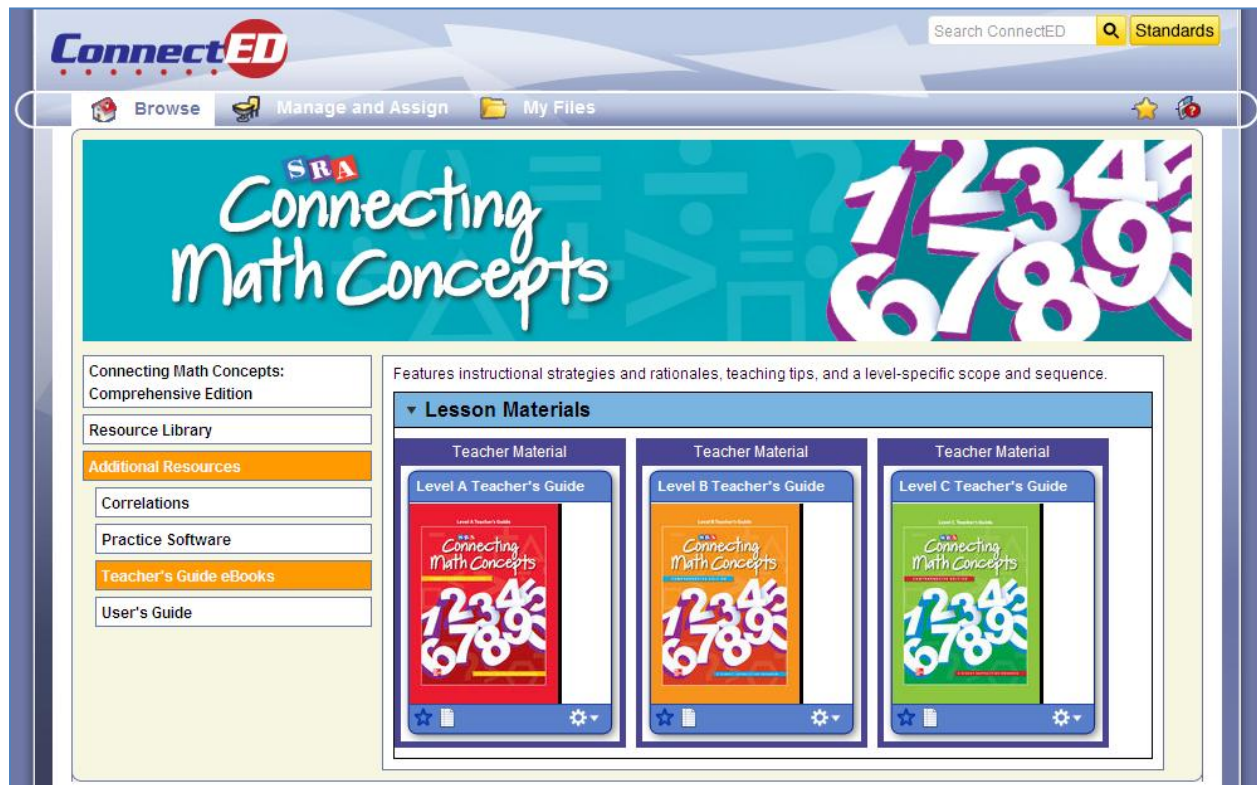


Figure 35

Select **User's Guide** to access a document that will help you to navigate and understand the **Connecting Math Concepts Comprehensive Edition** ConnectED resources. (Figure 36)

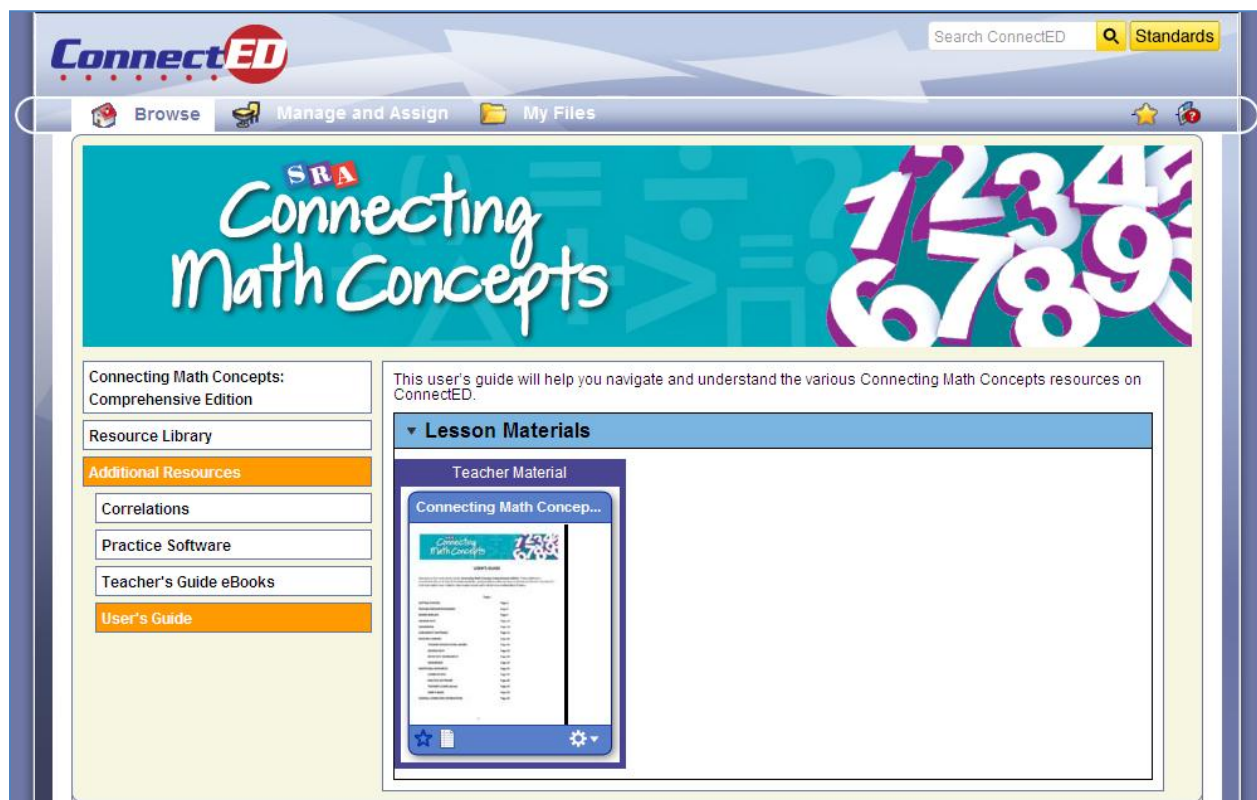


Figure 36

GENERAL CONNECTED INFORMATION

The screenshot displays the ConnectED web interface. At the top, the 'ConnectED' logo is on the left, and a search bar with the text 'Search ConnectED' and a magnifying glass icon is on the right. Below the logo, there are three main navigation tabs: 'Browse' (with a book icon), 'Manage and Assign' (with a person icon), and 'My Files' (with a folder icon). To the right of these tabs are a star icon and a small circular icon. The main content area features a large banner for 'Connecting Math Concepts' with the SRA logo and large numbers 1 through 9. Below the banner, there are three buttons: 'Connecting Math Concepts: Comprehensive Edition', 'Connecting Math Concepts Level A' (highlighted in orange), and 'Lessons'. To the right of these buttons is an 'Add to Planner' button. At the bottom of the page, there is a footer section with the text 'The McGraw-Hill Companies' and a row of links: 'Terms of Use', 'Privacy Policy', 'Technical Support', 'Minimum System Requirements', and 'Help'. The copyright notice 'Copyright © The McGraw-Hill Companies, Inc.' is also present. A red oval highlights the footer section.

ConnectED

Search ConnectED

Browse Manage and Assign My Files

Connecting Math Concepts

Connecting Math Concepts: Comprehensive Edition

Connecting Math Concepts Level A

Lessons

Add to Planner

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Figure 37

Note: For more general information about ConnectED, including assistance on how to use various features, choose the appropriate link at the bottom of any screen.