WHAT IS IN THE DYNAMIC CLASSROOM

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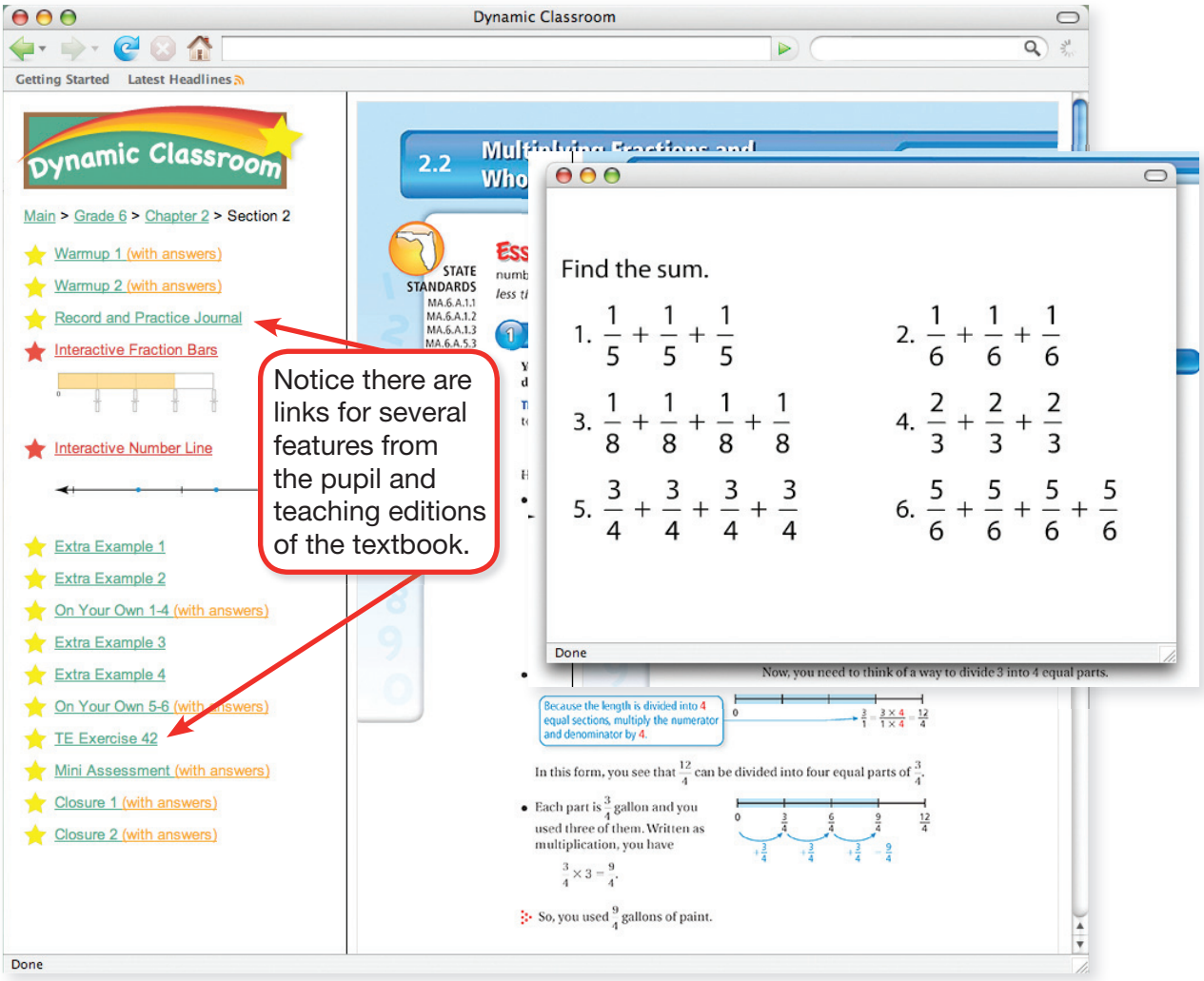
Goal: To show features of the *Dynamic Classroom*

1. Start the *Dynamic Classroom*. Click **Grade 6.** Then click **Chapter 2: Multiplying and Dividing Fractions.** Finally click **2.2 Multiplying Fractions and Whole Numbers.**

   In the left frame, there are links represented with yellow and red stars. When you click a link with a yellow star, a new window will appear. Click **Warmup 1 (with answers).**

   When a link includes "*(with answers)*," you can view the answers in the same window by clicking near the exercises as shown below.



2. Close the *Warmup* 1 window.

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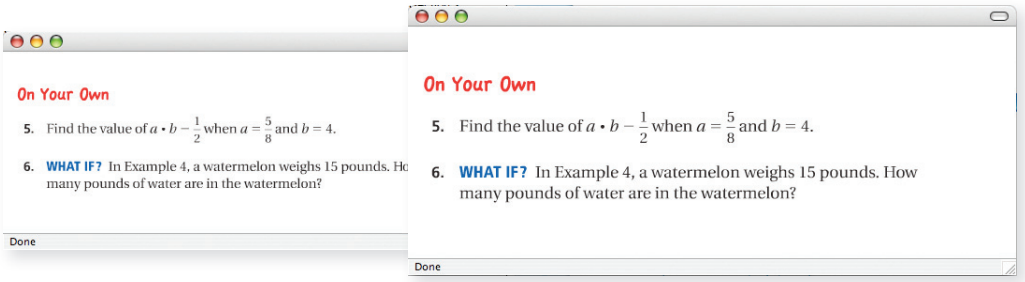
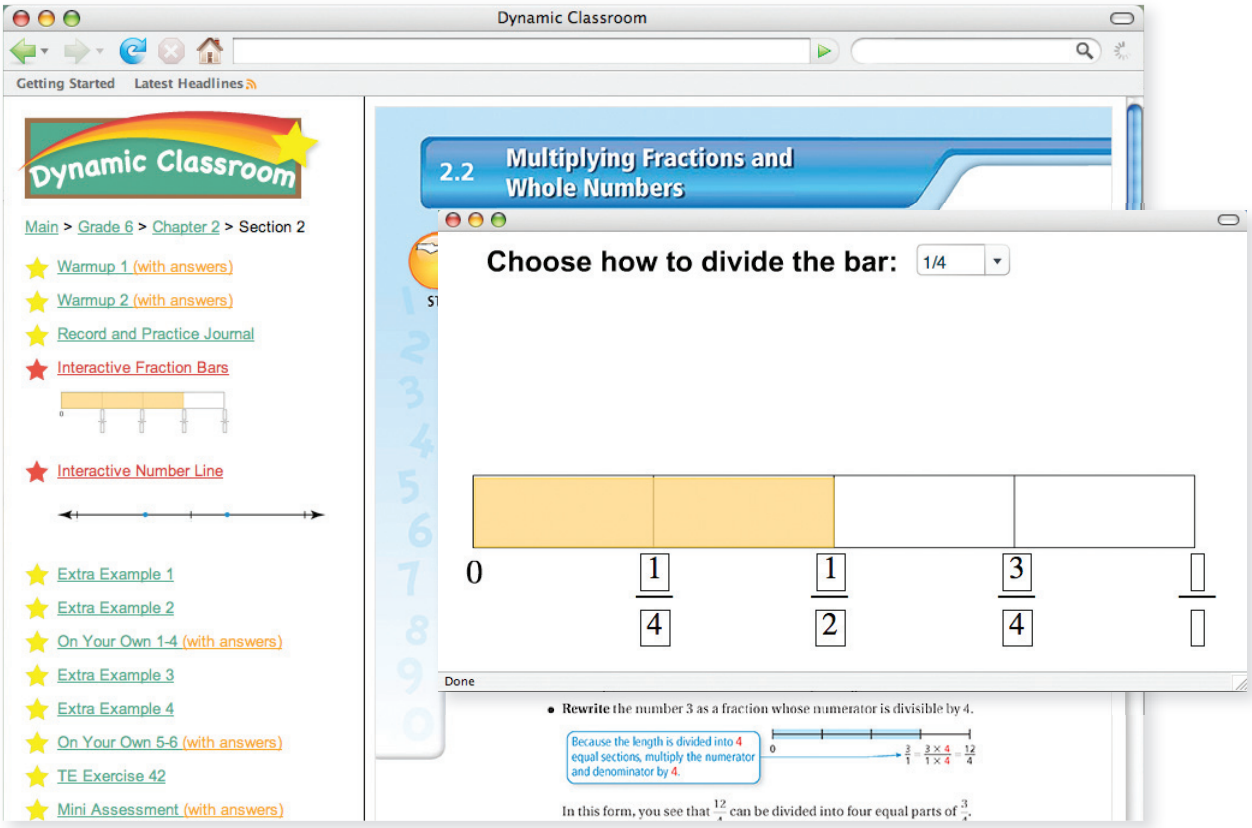
3 Each window can be resized to increase or decrease text and graphic sizes. Click **On Your Own 5-6 (with answers).** Click and drag any corner of the window to resize.



4 Close the *On Your Own* window.

5 In the left frame, when you click a link with a red star, an interactive window will appear. Each interactive manipulative in the *Dynamic Classroom* has unique qualities and levels of interactivity.

Click **Interactive Fraction Bars.** The Fraction Bars manipulative allows you to divide a fraction bar into $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$, and $\frac{1}{10}$ sections. You can enter fractions below the bar and move the shaded area to represent fractions on the bar.



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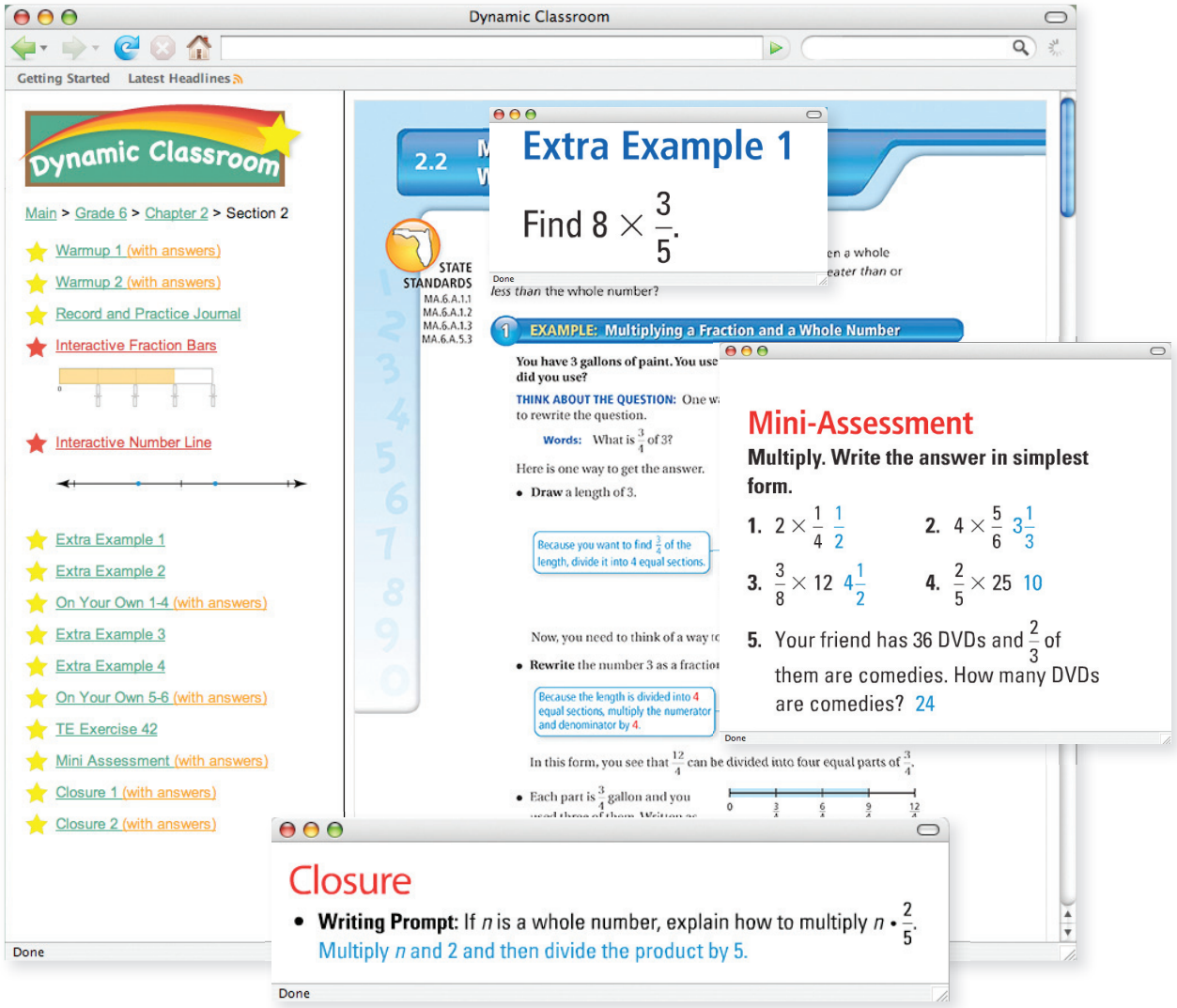
6. Close the *Interactive Fraction Bar* window.

7. You can display as many windows as you need when presenting material to students.

   Click **Extra Example 1, Mini-Assessment (with answer),** and **Closure 2 (with answer).**



8. Close the windows and exit the *Dynamic Classroom*.

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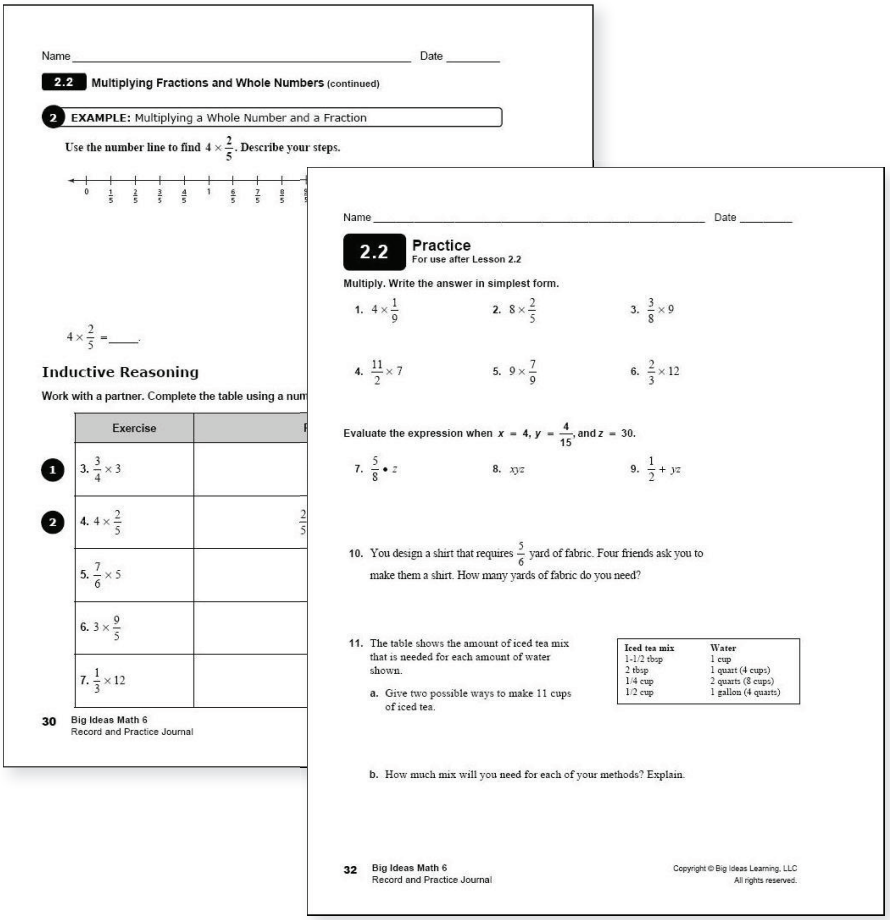
On Your Own: You can view and print pages from the *Record and Practice Journal*. The *Record and Practice Journal* is a print supplement that accompanies the pupil edition. The print supplement is available through the *Dynamic Classroom*.

- Start the *Dynamic Classroom*.
- Click **Grade 6.**
- Click **Chapter 2: Multiplying and Dividing Fractions.**
- Click **2.2 Multiplying Fractions and Whole Numbers.**
- Click **Record and Practice Journal.**
- Print pages 30 and 32.
- Close the *Record and Practice Journal*.
- Close the *Dynamic Classroom*.



Name _____ Date _____

2.2 Multiplying Fractions and Whole Numbers (continued)

2 **EXAMPLE:** Multiplying a Whole Number and a Fraction

Use the number line to find $4 \times \frac{2}{5}$. Describe your steps.

$4 \times \frac{2}{5} =$ ____.

Inductive Reasoning

Work with a partner. Complete the table using a num

	Exercise	
1	3. $\frac{3}{4} \times 3$	
2	4. $4 \times \frac{2}{5}$	
	5. $\frac{7}{6} \times 5$	
	6. $3 \times \frac{9}{5}$	
	7. $\frac{1}{3} \times 12$	

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Record and Practice Journal

Name _____ Date _____

2.2 **Practice**
For use after Lesson 2.2

Multiply. Write the answer in simplest form.

1. $4 \times \frac{1}{9}$
2. $8 \times \frac{2}{5}$
3. $\frac{3}{8} \times 9$
4. $\frac{11}{2} \times 7$
5. $9 \times \frac{7}{9}$
6. $\frac{2}{3} \times 12$

Evaluate the expression when $x = 4$, $y = \frac{4}{15}$, and $z = 30$.

7. $\frac{5}{8} \cdot z$
8. xyz
9. $\frac{1}{2} + yz$

10. You design a shirt that requires $\frac{5}{6}$ yard of fabric. Four friends ask you to make them a shirt. How many yards of fabric do you need?

11. The table shows the amount of iced tea mix that is needed for each amount of water shown.

Iced tea mix	Water
1-1/2 tbsp	1 cup
2 tbsp	1 quart (4 cups)
1/4 cup	2 quarts (8 cups)
1/2 cup	1 gallon (4 quarts)

a. Give two possible ways to make 11 cups of iced tea.

b. How much mix will you need for each of your methods? Explain.

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Record and Practice Journal

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