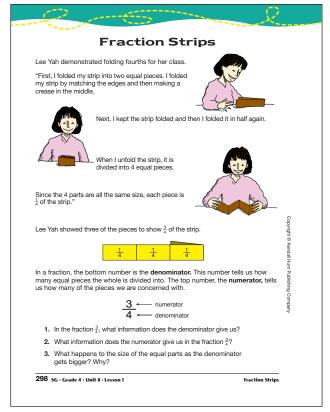
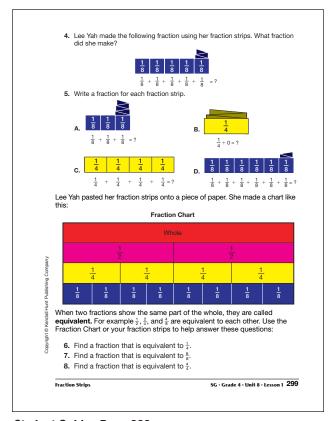
### Student Guide

## Questions 1-17 (SG pp. 298-301)

- **I.** The denominator tells the number of equal parts into which the whole is divided: 4.
- **2.** The numerator tells how many parts you are interested in: 3.
- **3.\*** The equal parts get smaller as the denominator gets bigger because as the whole is divided into more pieces, the pieces get smaller.
- **4.**  $\frac{5}{8}$
- **5. A.**  $\frac{3}{8}$ 
  - **B.**  $\frac{1}{4}$
  - **C.**  $\frac{4}{4}$
  - **D.**  $\frac{6}{8}$
- 6.  $\frac{2}{8}$
- 7.  $\frac{3}{4}$
- **8.**  $\frac{2}{2}$  or  $\frac{8}{8}$



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<sup>\*</sup>Answers and/or discussion are included in the lesson.

# Use the Fraction Chart or your fraction strips to complete the following

9. Tom found a cookie recipe that called for  $\frac{3}{8}$  cup sugar. His sister Kate found a different recipe that called forr ½ cup sugar. Whose recipe called for more sugar?



- 10. Jessie walked  $\frac{5}{8}$  of a mile around the track. Maria walked  $\frac{3}{4}$  of a mile around the track. Who walked farther?
- 11. Use the Fraction Chart to compare the following pairs of fractions. For each pair, tell which fraction is larger.
- **B.**  $\frac{2}{4}$ ,  $\frac{3}{8}$
- C.  $\frac{1}{2}$ ,  $\frac{3}{4}$
- **D.**  $\frac{5}{8}$ ,  $\frac{1}{2}$

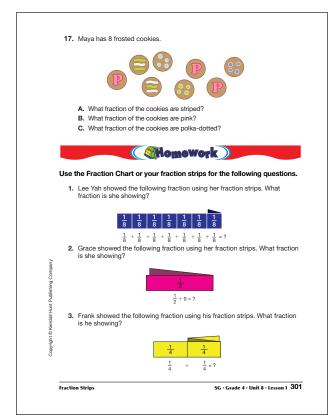
 $\mathbf{E}, \frac{3}{2}, \frac{5}{4}$ 

- Use the Fraction Chart or your fraction strips to put the following fractions in order from smallest to largest.
- **A.**  $\frac{1}{8}$ ,  $\frac{1}{2}$ ,  $\frac{1}{4}$  **B.**  $\frac{2}{4}$ ,  $\frac{2}{2}$ ,  $\frac{2}{8}$  **C.**  $\frac{3}{2}$ ,  $\frac{3}{8}$ ,  $\frac{3}{4}$
- 13. Look at the fractions in Question 12. When two fractions have the same numerator, which fraction is larger? Why?
- 14. Write two different fractions with the same numerator. Order the fractions from smallest to largest.
- 15. Which number sentences are true?
  - **A.**  $\frac{1}{2} = \frac{1}{4} + \frac{1}{4}$
- **B.**  $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{3}{4}$
- C.  $\frac{1}{8} + \frac{1}{8} = \frac{2}{8}$
- **D.**  $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{1}{2} + \frac{1}{2}$
- **E.**  $\frac{2}{4} = \frac{3}{8}$
- F.  $\frac{1}{8} + \frac{1}{8} = \frac{8}{8}$
- **G.**  $\frac{3}{8} = \frac{1}{4} + \frac{2}{4}$
- **H.**  $\frac{1}{2} + \frac{1}{2} + \frac{1}{2} = \frac{3}{6}$
- 16. Pick a false number sentence from Question 15 and make it true.

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Fraction Strips

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- 9. Kate's recipe called for more sugar.
- **10.** Maria walked farther.
- 11. A.  $\frac{1}{2}$ 
  - **B.**  $\frac{2}{4}$
  - **C.**  $\frac{3}{4}$

  - **E.**  $\frac{3}{2}$
- 12. A.  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{1}{2}$ 
  - **B.**  $\frac{2}{8}$ ,  $\frac{2}{4}$ ,  $\frac{2}{2}$
  - **C.**  $\frac{3}{8}$ ,  $\frac{3}{4}$ ,  $\frac{3}{2}$
- **13.** The larger fraction is the fraction that has the smaller denominator, because it is divided into fewer pieces so the pieces are larger.
- **14.** Possible student response:  $\frac{3}{8}$ ,  $\frac{3}{4}$
- **15.** A, B, C, D, F
- **16.** Possible responses: D:  $\frac{3}{4} = \frac{1}{4} + \frac{2}{4}$  or E:  $\frac{2}{4} = \frac{4}{8}$
- 17. A.  $\frac{2}{8}$ 
  - **B.**  $\frac{3}{8}$
  - **C.**  $\frac{3}{8}$

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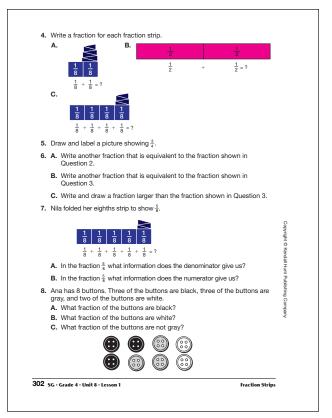
# Homework (SG pp. 301-303)

## Questions 1-13

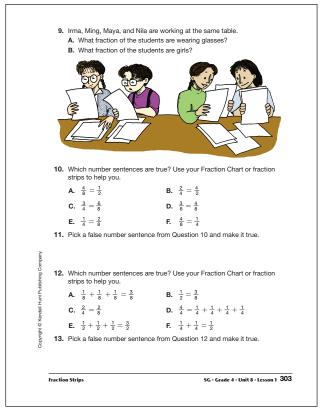
- 1.  $\frac{7}{8}$
- **2.**  $\frac{1}{2}$
- **3.**  $\frac{2}{4}$  or  $\frac{1}{2}$
- **4. A.**  $\frac{2}{8}$  or  $\frac{1}{4}$ 
  - **B.**  $\frac{2}{2}$  or 1
  - **C.**  $\frac{4}{8}$ ,  $\frac{2}{4}$  or  $\frac{1}{2}$
- **5.** Some possible responses:

$\frac{\frac{1}{4}}{\frac{1}{4}}$	1/4		$\frac{\frac{1}{4}}{\frac{1}{4}}$	$\frac{1}{4}$	$ \begin{array}{ c c } \hline  & \hline  $
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\bigcap$		(†)(†)

- **6. A.**  $\frac{4}{8}$  or  $\frac{2}{4}$ 
  - **B.**  $\frac{4}{8}$  or  $\frac{1}{2}$
  - **C.** Some possible responses:
    - $\frac{3}{4} \quad \boxed{\frac{1}{4} \quad \frac{1}{4} \quad \frac{1}{4}}$   $\frac{2}{2} \quad \boxed{\frac{1}{2} \quad \frac{1}{2}}$
- **7. A.** The denominator tells us that the fraction strip is divided into 8 equal pieces.
  - **B.** The numerator tells us that she is showing 5 of the 8 pieces.
- 8. A.  $\frac{3}{8}$ 
  - **B.**  $\frac{2}{8}$  or  $\frac{1}{4}$
  - **C.**  $\frac{5}{8}$
- **9. A.**  $\frac{2}{4}$  or  $\frac{1}{2}$ 
  - **B.**  $\frac{3}{4}$
- **10.** A, C, D, E
- II. Possible responses: B:  $\frac{2}{4} = \frac{1}{2}$  or F:  $\frac{4}{8} = \frac{1}{2}$
- **12.** A, D, E, F
- **13.** Possible responses: B:  $\frac{1}{2} = \frac{4}{8}$  or C:  $\frac{2}{4} = \frac{4}{8}$



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