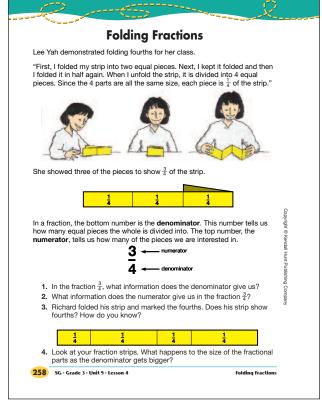
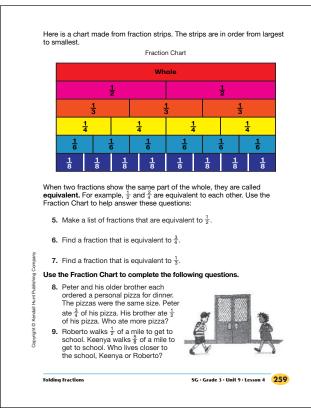
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Folding Fractions (SG pp. 258-260) Questions 1-11

- 1. The denominator tells that the whole is divided into four equal pieces.
- **2.** The numerator tells that we are interested in three of the pieces.
- **3.** Richard showed four parts on his strip but they are not equal. He needs to show 4 equal parts to show fourths.
- **4.** The size of the parts gets smaller as the number of parts (denominator) gets bigger.
- **5.** $\frac{2}{4}, \frac{3}{6}, \frac{4}{8}$
- 6. $\frac{6}{8}$
- 7. $\frac{2}{6}$
- **8.** Peter, since $\frac{3}{4}$ is larger than $\frac{1}{2}$.
- **9.** Roberto, since $\frac{1}{2}$ is smaller than $\frac{5}{8}$.
- 10. A. $\frac{1}{4}$
- C.
- E. 11. A. $\frac{1}{8}, \frac{1}{4}, \frac{1}{2}$



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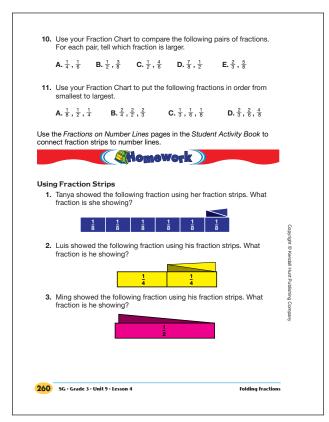


10. Use your Fraction Chart to compare the following pairs of fractions For each pair, tell which fraction is larger. A. $\frac{1}{4}$, $\frac{1}{6}$ B. $\frac{1}{2}$, $\frac{3}{8}$ C. $\frac{1}{2}$, $\frac{4}{6}$ D. $\frac{7}{8}$, $\frac{1}{2}$ 11. Use your Fraction Chart to put the following fractions in order from smallest to largest. $D.\frac{2}{3},\frac{2}{6},\frac{4}{8}$ $A.\frac{1}{8},\frac{1}{2},\frac{1}{4}$ $\mathbf{B}, \frac{2}{4}, \frac{2}{2}, \frac{2}{3}$ $C.\frac{1}{3},\frac{1}{6},\frac{1}{8}$ Use the Fractions on Number Lines pages in the Student Activity Book to connect fraction strips to number lines Momework **Using Fraction Strips** 1. Tanya showed the following fraction using her fraction strips. What fraction is she showing? 2. Luis showed the following fraction using his fraction strips. What 3. Ming showed the following fraction using his fraction strips. What fraction is he showing? 260 SG · Grade 3 · Unit 9 · Lesson 4 Folding Fractions

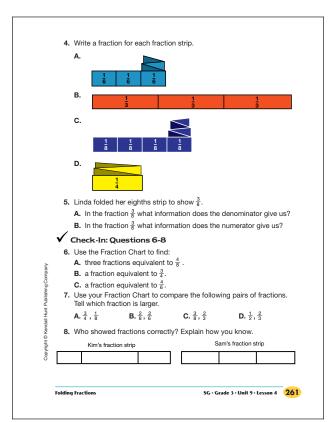
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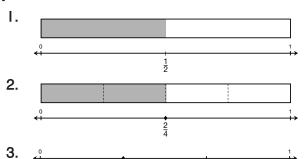
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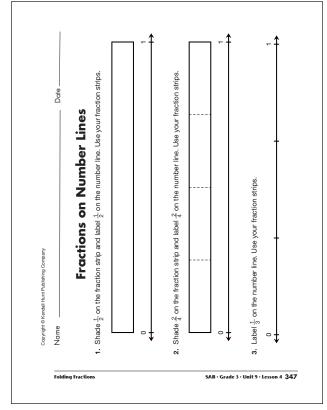
Homework (SG pp. 260–261) Questions 1–8

- I. ·
- 2.
- 3.
- 4. A.
 - B. $\frac{3}{3}$ C. $\frac{4}{8}$
 - D. -
- **5. A.** The denominator tells that the whole strip is divided into eight equal pieces.
 - **B.** The numerator tells that we are interested in three of the pieces.
- **6. A.** $\frac{1}{2}, \frac{2}{4}, \frac{3}{6}$
 - B. -
 - C. -
- 7. A.
 - **B.** $\frac{2}{6}$
 - C. $\frac{2}{3}$ D. $\frac{2}{3}$
- **8.** Sam, because he showed equal parts on his fraction strip.

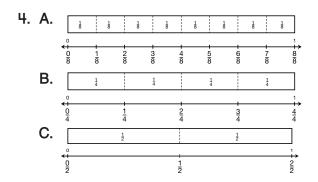
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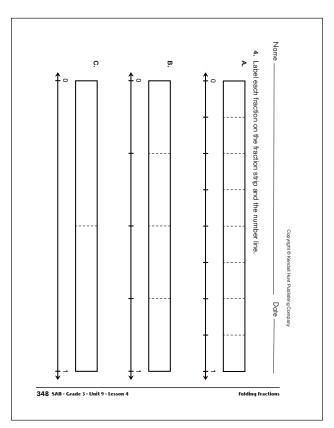
Fractions on Number Lines (SAB pp. 347–353) Questions 1–8





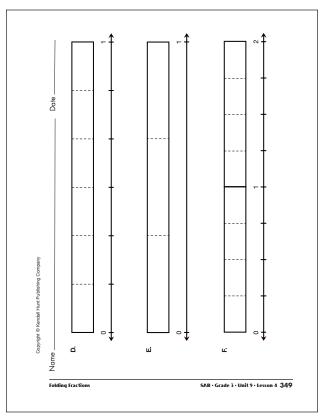
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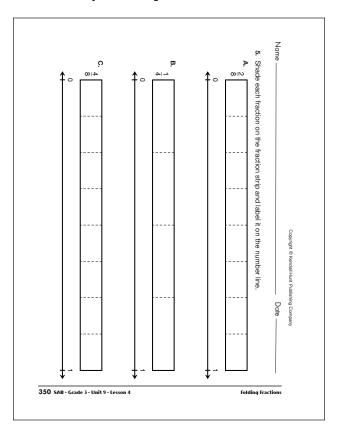
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Answer Key • Lesson 4: Folding Fractions



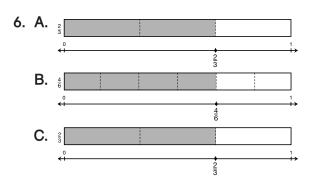
| D. | | 16 | | | 1 6 | | | 1 6 | | 1 6 | | | 1 6 | | | 1 6 | |
|----|--------------------|-----|-----|-----|--------|-----|--------|-----|-----|-----|--------|-------------|--------|-----|--------|-----|------------|
| | 0 0 0 | | | 1 6 | | 2 6 | | | 3 6 | | | + 4 6 | | 5 6 | | | 6 6 |
| E. | | | | 1 3 | | | | | 1 3 | | | | | 1 3 | | | |
| | 0 0 3 | | | | | 1/3 | | | | | | 1 2 3 | | | | | 3 3 |
| F. | | 1 4 | | 1 4 | | 14 | | 1 4 | Ţ | 14 | | 14 | | 14 | | 1/4 | 2 |
| | € 0 4 | | 1 4 | | 2 4 | | 3 4 | | 4/4 | | 5 4 | | 6 4 | | 7 4 | | 8 4 |

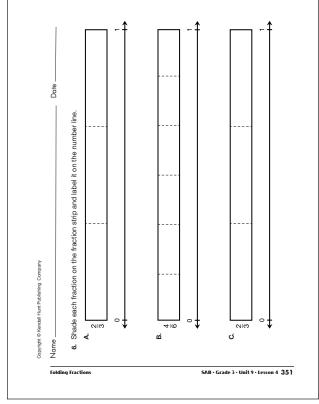
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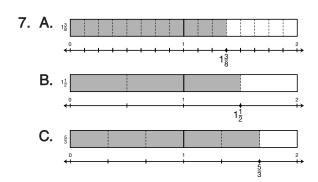
5. A. $\frac{2}{8}$ B. $\frac{1}{4}$ C. $\frac{4}{8}$

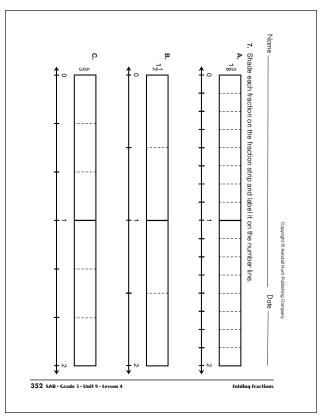
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Answer Key • Lesson 4: Folding Fractions

| s to Questions | False | | | | | | | | Choose a number sentence that is false. Rewrite it so it is true. Show or tell how |
|--|-------|----------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---|
| nd your answer | True | | | | | | | | umber senter it is true. Sh |
| in strips and | | 6 4 7 3 3 2 | $1\frac{1}{2}<1\frac{3}{6}$ | $\frac{2}{3} > \frac{5}{6}$ | $\frac{7}{8} > \frac{5}{6}$ | 4 8 4 9 4 9 | 3 6 > 1 2 | 5 > 3 4 > 3 | Choose a number s Rewrite it so it is tru |
| ur fractio | | | ⇒ | Ϋ́ | نـ | Σ̈́ | ż | ó | o: |
| Decide if each sentence is true or false. Use your fraction strips and your answers to Questions 1–7. = equal to < less than > greater than | False | | | | | | | | Question F |
| ntence is true o | True | | | | | | | | Show how you decided if Question F is true or false. |
| de if each se | | 2 = 2 4 | 2 4 = 3 | $\frac{4}{4} = \frac{2}{2}$ | $\frac{2}{8} = \frac{1}{4}$ | $\frac{3}{4} = \frac{7}{8}$ | $\frac{1}{3} = \frac{2}{6}$ | $\frac{4}{6} = \frac{2}{6}$ | Show how you is true or false. |
|)eci | | ₹ | ю | o; | Ġ | ші | ш | oj. | Í |

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8

| 3. | | | | True | False |
|----|-------------|-------------------|-----------------|--------------|--------------|
| | A. * | $\frac{1}{2}$ = | <u>2</u> | \checkmark | |
| | B. | $\frac{2}{4}$ = | <u>3</u> | | \checkmark |
| | C. | $\frac{4}{4} =$ | <u>2</u> | \checkmark | |
| | D. | <u>2</u> /8 = | 1 /4 | \checkmark | |
| | E. | 3/4 = | 7 8 | | \checkmark |
| | F. | 1 /3 = | <u>2</u> | | |
| | G. | <u>4</u> − | <u>2</u> | | \checkmark |

H. Responses will vary. I folded my orange and aqua strips. $\frac{1}{3}$ of the strip and $\frac{2}{6}$ of the strip are the same length. $\frac{1}{3} = \frac{2}{6}$.

| | | True | False |
|----|-------------------------------|--------------|--------------|
| I. | $\frac{4}{6} > \frac{2}{3}$ | | \checkmark |
| J. | $1\frac{1}{2} < 1\frac{3}{6}$ | | \checkmark |
| K. | $\frac{2}{3} > \frac{5}{6}$ | | \checkmark |
| L. | $\frac{7}{8} > \frac{5}{6}$ | \checkmark | |
| M. | $\frac{4}{8} < \frac{4}{6}$ | \checkmark | |
| N. | $\frac{3}{6} > \frac{1}{2}$ | | \checkmark |
| О. | $\frac{5}{6} > \frac{3}{4}$ | \checkmark | |

P. Responses will vary. Possible responses:

change
$$\frac{2}{4} = \frac{3}{8}$$
 to $\frac{2}{4} = \frac{4}{8}$ or $\frac{2}{4} > \frac{3}{8}$

change
$$\frac{3}{4} = \frac{7}{8}$$
 to $\frac{3}{4} = \frac{6}{8}$ or $\frac{3}{4} < \frac{7}{8}$

change
$$\frac{4}{6} = \frac{2}{6}$$
 to $\frac{4}{6} > \frac{2}{6}$ or $\frac{4}{6} = \frac{4}{6}$

change
$$\frac{4}{6} > \frac{2}{3}$$
 to $\frac{4}{6} = \frac{2}{3}$

change
$$1\frac{1}{2} < 1\frac{3}{6}$$
 to $1\frac{1}{2} = 1\frac{3}{6}$ or $1\frac{1}{2} < 1\frac{4}{6}$

change
$$\frac{2}{3} > \frac{5}{6}$$
 to $\frac{2}{3} < \frac{5}{6}$ or $\frac{2}{3} = \frac{4}{6}$

change
$$\frac{3}{6} > \frac{1}{2}$$
 to $\frac{3}{6} = \frac{1}{2}$ or $\frac{4}{6} > \frac{1}{2}$