Answer Key • Lesson 3: Compose and Decompose Mixed Numbers



Student Guide - Page 466



Student Guide - Page 467

* Answers and/or discussion are included in the lesson.

Student Guide

Compose and Decompose Mixed Numbers (SG pp. 466–469) Questions 1–15

- I.* Jackie traded a pink (¹/₂) piece for an aqua (¹/₆) piece and an orange (¹/₃) piece. Then she had six (¹/₆) pieces. She traded those for one whole (red) circle.
- **2.** Linda traded each $\frac{1}{3}$ (orange) piece for two $\frac{1}{6}$ (aqua) pieces.
- **3.*** Yes, $2\frac{1}{6} > 2\frac{1}{12}$.

Answer Key • Lesson 3: Compose and Decompose Mixed Numbers

- **4.*** See Figure 2 in the lesson.
- **5.** Answers will vary. Possible solutions include: $3\frac{1}{4} = 2\frac{5}{4} = 3\frac{3}{12} = \frac{13}{4}$



6.* See Figure 3 in the lesson.





Student Guide - Page 468



Student Guide - Page 469

12. $5\frac{1}{3}$

10. $1\frac{1}{2}$ **11.*** $3\frac{1}{8}$

13.* $2\frac{1}{3}$

14. Responses will vary.



I traded $\frac{16}{8}$ for 2 wholes (red). So $1\frac{17}{8} = 3\frac{1}{8}$. **15.** $1\frac{2}{6} + 1\frac{5}{12} = 1\frac{4}{12} + 1\frac{5}{12} = 2\frac{9}{12} = 2\frac{3}{4}$

Homework (SG p. 469) Questions 1–5

- **I. A.** $1\frac{1}{4}$
 - **B.** $2\frac{3}{4}$
 - **C.** $4\frac{1}{3}$
 - **D.** $4\frac{1}{2}$
 - **E.** $7\frac{2}{3}$
 - **F.** $3\frac{1}{5}$
- **2.** Yes; the two boxes together hold $\frac{1}{4} + \frac{2}{3} = \frac{11}{12}$ of a pound of candy. Since David has 1 pound of candy, he has enough candy to fill the two boxes.
- **3.** Grace. $\frac{7}{8} < \frac{9}{10}$
- **4.** $\frac{5}{8}$ inch
- **5. A.** $1\frac{3}{4}$ **B.** $\frac{7}{12}$ **C.** $2\frac{1}{2}$ **D.** $1\frac{1}{2}$ **E.** $1\frac{7}{12}$ **F.** $1\frac{1}{8}$