#### **Student Guide**

Circle Pieces: Red, Pink, Orange, Aqua (SG pp. 253–257) Questions 1–22

- I. A. 2
  - **B.** 3
  - **C.** 6
- **2.** 3
- **3.** 2
- 4. aqua, orange, pink, red
- 5. A. 3 aquas
  - B. 2 oranges
  - **C.** 1 pink
- 6. 1 orange, 1 aqua
- 7. 1 orange, 1 pink, and 1 aqua
- **8. A.\*** 2 oranges, 2 aquas; 1 orange 4 aquas, or 1 pink, 3 aquas
  - **B.\*** See Question A.
- **9.** aqua
- 10. 2 aqua, 1 orange
- II. A. pink
  - B. orange
  - C. aqua



**E.** greater than one-half



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





16.	What is the unit whole:
	A. if one pink piece is one-half?
	B. if one aqua piece is one-half?
17.	What is the unit whole:
	A. if one orange piece is one-third?
	B. if one aqua piece is one-third?
18.	What is the unit whole:
	A. if two oranges are two-thirds?
	B. if one orange piece is two-thirds?
19.	What is the unit whole:
	A. if three aquas are one-half?
	B. if two aquas are two-thirds?
f the can v parts	red circle is the unit whole, two pink pieces cover the whole circle. We write $\frac{2}{2}$ (two-halves) to show that the whole is divided into two equal and that both parts are covered.
	two halves or one whole
	$P  p  \frac{2}{2} = 1$
Three circle	pink pieces are shown below. We can write $\frac{3}{2}$ or $1\frac{1}{2}$ to show that the is divided into halves and that three halves are shown.
	three-halves or one and one-half
	<b>P P P</b> $\frac{3}{2} = 1\frac{1}{2}$

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

- **12.** A.\* Possible solutions:  $\frac{1}{2}$  or  $\frac{3}{6}$ 
  - **B.**\* equal to
  - **C.**\*  $\frac{2}{6}$  or  $\frac{1}{3}$
  - **D.**\* equal to
- **13. A.** aqua
  - **B.**  $\frac{2}{3}$
  - **C.** equal to
  - **D.**  $\frac{2}{3}$
  - **E.** greater than
- 14.  $\frac{1}{2}$ ; one-half, or one of two
- 15. A.  $\frac{1}{4}$



C. 1 orange



- E. greater than
- 16. A. red
  - B. orange
- **17. A.** red
  - **B.** pink
- 18. A. red
  - **B.** pink
- **19. A.** red
  - **B.** pink

**20.** A.  $\frac{3}{3}$ B.  $\frac{5}{3}$  or  $1\frac{2}{3}$ C.  $\frac{6}{6}$ D.  $\frac{7}{6}$  or  $1\frac{1}{6}$ E.  $\frac{10}{6}$  or  $1\frac{4}{6}$ **21.** A.\* $\frac{3}{3}$  or 1 B.  $1\frac{1}{3}$  or  $\frac{4}{3}$ **22.**  $\frac{3}{2}$  or  $1\frac{1}{2}$ 



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## Student Activity Book

Naming Wholes and Parts (SAB p. 339) Questions 1–6











### Fraction Challenge (SAB pp. 341–342) Questions 1–4

I. See Figure 9 in the lesson. Sample responses:



Possible response: Each fractional part has an equal number of small squares which means it has been divided into three equal parts or thirds.

**2.** See Figure 10 in the lesson. Sample responses:



Each small rectangle has 2 small squares which means it has 6 equal parts and is divided into sixths.

- **3.** A.  $\frac{1}{6}$ ; There are twelve small squares in all. The rectangle could be divided into six equal parts of two small squares each.
  - **B.**  $\frac{1}{3}$ ; The unit whole could be divided into three equal parts of 4 square units.
  - **C.**  $\frac{1}{2}$ ,  $\frac{3}{6}$  or  $\frac{6}{12}$ ; Half of twelve small squares is 6 squares.

**4. A.**  $1\frac{1}{3}$  or  $\frac{4}{3}$ **B.**  $\frac{7}{6}$  or  $1\frac{1}{6}$ 

	Fraction Challenge					
1.	<ol> <li>Divide each rectangle into thirds. Show two ways. Tell how you know the rectangles are divided into thirds.</li> </ol>					
	A B					
2.	Divide each rectangle into sixths. Show two ways. Tell how you know the rectangles are divided into sixths.					
Contraction of the second	A. B.					
-6						

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~	Lies the vestangle below for Questions 2A, 2D, and 2C. Chew or tell
з.	how you know.
	A. Name a fraction for the part shaded with stripes.
	D Name a fraction for the part that is chosed are:
	B. Name a naction for the part that is shaded gray.
	C. Name two fractions for the part that is shaded white.
4.	If the rectangle shown is one whole, what number does each shaded
	shape represent?
	Unit Whole
	A. [ : : : ] B. [ : ] ]

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



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#### More Fraction Rectangles (SAB pp. 343–344) Questions 1–7

I. One solution is shown.

	•		•
	•	•	•
		•	:
••••			• • • • •
			:
			•
	•		•
			:
	•		•
	•	•	•

**2.** One solution is shown.

	:	:
		•



**4.** 
$$\frac{4}{3}$$
 or  $1\frac{1}{3}$ 

**5.**  $\frac{10}{6}$  or  $1\frac{4}{6}$  or  $1\frac{2}{3}$  or  $\frac{5}{3}$  or  $\frac{20}{12}$  or  $1\frac{8}{12}$ 



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#### **Teacher Guide**

### Parts and Wholes Quiz (TG pp. 1–2) Questions 1–5

- I. A. No, all the pieces all not the same size.
  - **B.**  $\frac{1}{6}$  or one-sixth
  - **C.**  $\frac{4}{6}$ , four-sixths,  $\frac{2}{3}$ , or two-thirds
  - **D.**  $\frac{1}{3}$  or one-third
- 2. A. orange and aqua
  - **B.**  $\frac{1}{3}$  or one-third
  - **C.**  $\frac{2}{3}$  or two-thirds
- **3. A.** Shapes will vary. One shape is shown.



- **B.** Shading on drawings will vary but must show  $\frac{3}{4}$ .
- **4.** Possible response:



5. Joe and Moe ate the same size piece of cake.





 $\frac{1}{4}$  of cake

 $\frac{1}{3}$  of cake left

lame		Dat	e
Par	ts and V	Wholes C	Quiz
lse the red, pink, ora ne <i>Writing Numbers</i> ection.	nge, and aqua <i>in Words</i> page	pieces to answ in the <i>Student</i>	ver the questions. Use <i>Guide</i> Reference
Red	Pink	Orange	Aqua
R	Р	Or	A
1. The red circle is o orange.	one unit whole.	Cover it with fou	ir aquas and one
A. Is the circle d	vided into fifths	? Why or why n	ot?
B. Write a fraction	n for one aqua.		
C. Write a fractio	n for four aqua	s	
D. Write a fractic	n for one orang	je	
2. The pink pieces i	s the unit whole	e. Cover it with tw	wo different colors.
A. What colors d	id you use?		
B. Write a fractio	n in words for a	one aqua	
<b>O</b> 10/100 - (10-10)	n in words for a	one orange.	

Assessment Master



| TG • Grade 3 • Unit 9 • Lesson 3

Name		Date
3.	The aqua piece is one fourth.	
	A. Draw a shape for one whole.	
	B. Show three-fourths of your shape.	
4.	The large rectangle is the unit whole. Cirr show $\frac{1}{2}$ . Show $\frac{1}{2}$ another way on the last	cle the large rectangles that t rectangle.
Copyright & Kendull Hunt Publishing Company	Joe and Moe Smart each ate pieces of the tate $\frac{1}{4}$ of the small cake. Moe ate $\frac{1}{3}$ of the he ate more cake than Joe. Do you agree Show or tell how you decided.	ne same small cake. Joe Smart cake that was left. Moe says with Moe? Why or why not?
Asses	sment Master	TG • Grade 3 • Unit 9 • Lesson 3 2

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