Student Guide

Circle Pieces: Red, Pink, Yellow, Blue (SG pp. 249–252) Questions 1–20 I. A. 2 B. 4

- **C**. 8
- 0.0
- **2. A.** 2
 - **B.** 4
- **3.** 2
- 4. blue, yellow, pink, and red
- 5. A. 3 blues
 - **B.** 1 pink
 - **C.** 3 yellows
- 6. 1 yellow, 2 blues
- 7. 1 pink, 1 yellow, 2 blues
- 8. A.* 1 pink, 2 yellows
 - **B.*** Possible responses: 1 pink, 4 blues;
 - 1 yellow, 6 blues;
 - 2 yellows, 4 blues
- 9.* blue; 5 pieces
- **10.** 2 yellow and 1 blue
- II. A. pink
 - **B.** yellow
 - C. blue





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C. 1 yellow

E. greater than; if 3 blues was the same as half or less than half, it would take 6 or more blue pieces to cover the entire shape.

D. $\frac{3}{5};$

- 16. A. red
 - **B.** pink
 - **C.** yellow
- **17. A.** red
 - **B.** pink
- 18. red
- 19. A. red
 - B. pink
- **20.** Responses will vary but answers should reflect the understanding that the same fractional parts of different-sized wholes are not equal. Possible response: A pink piece is a half when the red circle is the unit whole. A yellow piece is a half when the pink is the whole. A blue piece is a half when the yellow is a whole.

The	Provide the size of the				
who pizza	e. Half of a personal pizza is not the same as half of an extra-large 1. Half of a pie for 50¢ is not the same as half a cupcake for 50¢.				
\checkmark	Check-In: Questions 16-20				
Use	your fraction circle pieces to answer the following questions.				
16.	What is the unit whole:				
	A. if the pink piece is one-half?	Cog			
	B. if the yellow piece is one-half?	pyrigi			
	C. if the blue piece is one-half?	# 0			
17.	What is the unit whole:	(end.			
	A. if the yellow piece is one-fourth?	all Hu			
	C. if the blue piece is one-fourth?	nt Pu			
18.	18. What is the unit whole if the blue piece is one-eighth?				
19.	What is the unit whole:				
	A. if three yellow pieces are three-fourths?	ompa			
	B. if three blue pieces are three-fourths?	ny			
20.	Josh said, "In class, we have called the pink, yellow, and blue pieces one-half. How is that possible?" Explain how all of these pieces can show one-half of a whole.				
Use nam	the Fractions in Shapes pages in the Student Activity Book to show and a fractions.				
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	Fourths	
Dear Family Member:	Homework	
In class your child is le. important to understa parts. For example, to two equal parts. Thank	arning about fractions. To comp and that the unit whole must be show halves, the unit whole mus < you.	lete this homework, e divided into equal-s st be divided into
Look at the shapes fol divided into fourths. C 'does' or 'does not.' Th decided.	llowing the questions. Deci ut out the shapes to help y hen finish each statement t	de if each shape ou decide. Circle to show or tell ho
A. Shape A does (or	does not) show fourths beca	ause
B. Shape B does (or	does not) show fourths beca	ause
C. Shape C does (or	does not) show fourths beca	ause

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Fourths (SAB pp. 331–333) Questions A–F

Answers will vary. Possible response:

- **A.** Shape A does show fourths because there are four pieces and each piece is the same size. This means that one of the pieces can be flipped to fit in all of the other spaces.
- **B.** Shape B does not show fourths because there are five pieces, not four.
- **C.** Shape C does not show fourths because the four pieces are not the same size.
- **D.** Shape D does show fourths because there are four pieces that are all equal in size.
- **E.** Shape E does not show fourths because the pieces are not the same size.
- **F.** Shape F does not show fourths because the four pieces are not the same size.



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Fractions in Shapes (SAB pp. 335–336) **Questions 1–4**

I. A. Eggs Design Cake Pan of Lasagna

B. Student's drawings will vary. Possible response:



2. Answers will vary. Possible partitions are shown for each. Whatever partitions students use should have the same area.



B.* See Figure 14 in the Lesson Guide.

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 		OI	 	



- **3.** Wording may vary.
 - **A.*** $\frac{1}{8}$ or $\frac{2}{16}$ one-eighth or two of sixteen
 - **B.** $\frac{12}{16}$ or $\frac{3}{4}$ twelve of sixteen or three-fourths

C.*
$$\frac{1}{2}$$
 or $\frac{8}{16}$

- one-half or eight of sixteen
- **4.** Answers will vary. Possible solution:



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



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Fraction Chart (SAB p. 338) Questions A–E



- **B.** One-half, $\frac{1}{2}$.
- **C.** Three-fourths, $\frac{3}{4}$.

