Name .	Date			
*2 .	A. Cover a pink piece with 3 aquas equal size parts			
	Each part is of the pink circle.			
	B. Cover a red circle with 3 oranges. equal size parts			
	Each part is of the red circle.			
	C. Two oranges is what part of the red circle?			
	D. Write a number sentence for Question 2C.			
* 3.	A. Cover a pink piece with purples equal size parts			
	Each part is of the pink piece.			
	B. Three purples are what part of the pink piece?			
	C. Write a number sentence for Question 3B			
	B. Three purples are what part of the pink piece? C. Write a number sentence for Question 3B D. Cover a red circle with all greens. equal size parts			
	Each part is of the red circle.			
	E. Three greens is what part of a red circle?			
	F. Write a number sentence for Question 3E			
	F. Write a number sentence for Question 3E			

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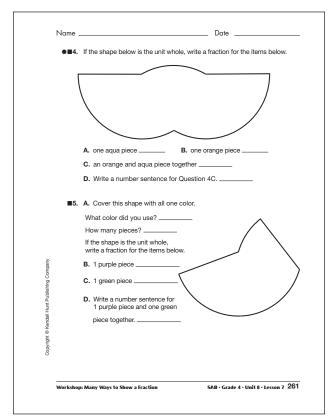
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Showing Fractions

Questions 1-40 (SAB pp. 259-276)

- 1. A. $\frac{2}{6}$
 - **B.** The denominator is the number of aqua pieces needed to cover the red circle. The numerator is the number of pieces used.
 - **C.** $\frac{1}{6} + \frac{1}{6} = \frac{2}{6}$ or $\frac{1}{6} \times 2 = \frac{2}{6}$
 - **D.** Two-sixths
 - **E.** $\frac{2}{3}$. The denominator is 3 because it takes 3 aqua pieces to cover the pink piece. The numerator is 2 because that's how many we're using.
- **2. A.** $3, \frac{1}{3}$
 - **B.** 3, $\frac{1}{3}$
 - C. -
 - **D.** $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$ or $\frac{1}{3} \times 2 = \frac{2}{3}$
- **3. A.** $5, \frac{1}{5}$
 - **B.** $\frac{3}{5}$
 - **C.** $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} = \frac{3}{5}$ or $\frac{1}{5} \times 3 = \frac{3}{5}$
 - **D.** 5, $\frac{1}{5}$
 - **E.** $\frac{3}{5}$
 - **F.** $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} = \frac{3}{5}$ or $\frac{1}{5} \times 3 = \frac{3}{5}$

- **4. A.** $\frac{1}{5}$
 - **B.** $\frac{2}{5}$
 - **C.** $\frac{3}{5}$
 - **D.** $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} = \frac{3}{5}$ or $\frac{1}{5} \times 3 = \frac{3}{5}$ or $\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$
- **5. A.** 5 purple pieces
 - **B.** $\frac{1}{5}$
 - **C.** $\frac{2}{5}$
 - **D.** $\frac{1}{5} + \frac{2}{5} = \frac{3}{5}$
- **6. A.** 4, $\frac{1}{4}$
 - **B.** 4, $\frac{1}{4}$
 - **C.** 3, $\frac{1}{3}$
 - **D.** 6, $\frac{1}{6}$
 - **E.** 4, $\frac{1}{4}$

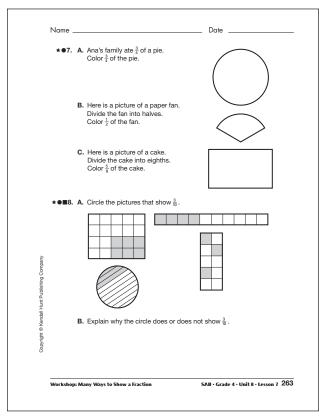


Name		Date		
★6. Look at the shapes and then fill in the blanks. For Questions 6A–6E, the unit whole is the figure shown.				
A.		equal size p	arts	
		Each part is of the wh	nole.	
В.		equal size p		
C.		equal size p Each part is of the wh	nala.	
D.		equal size p		
E.		The solid lines show equal size p		
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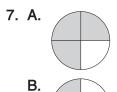
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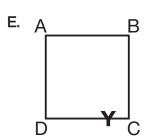
C. Any 5 squares can be shaded.

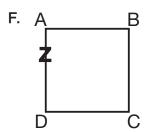


8. A.

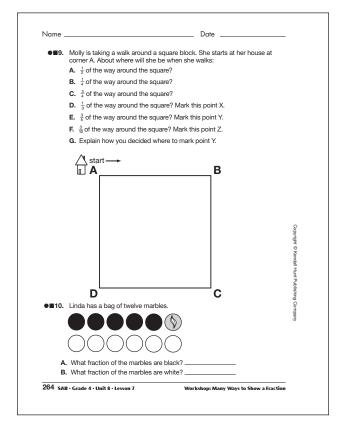
B. Even though 3 of the strips are shaded, and there are 10 strips, the strips are not the same size.

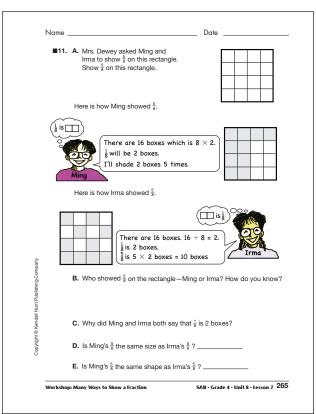
- **9. A.** C
 - **B.** B
 - C. D
 - D. A B



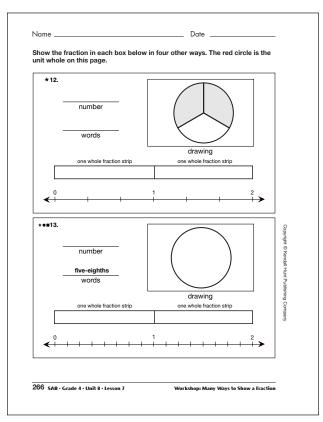


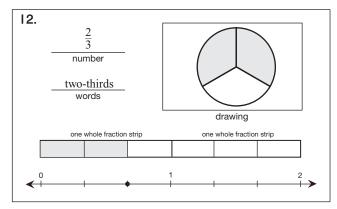
- **G.** Possible response; I knew that point C is $\frac{1}{2}$ around the square, and that D is $\frac{3}{4}$ around the square. $\frac{3}{5}$ is between $\frac{1}{2}$ and $\frac{3}{4}$, and closer to $\frac{1}{2}$.
- 10. A. $\frac{5}{12}$
 - **B.** $\frac{6}{12}$
- II. A. Any ten squares
 - **B.** They both showed $\frac{5}{8}$ on the rectangle. They both shaded 10 squares.
 - **C.** Divide 16 into 8 equal parts, each part is 2 boxes.
 - D. Yes
 - E. No

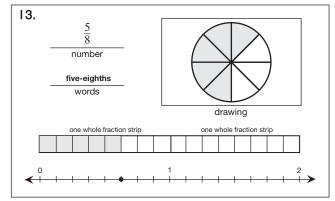


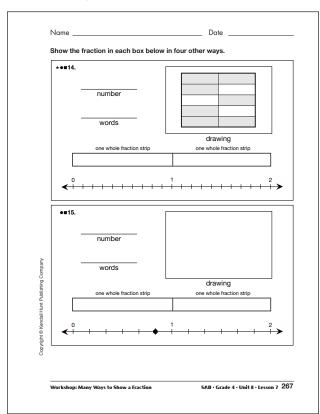


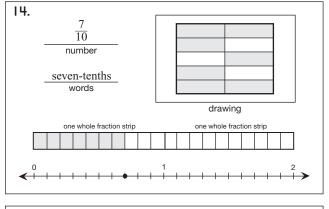
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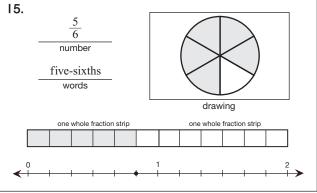








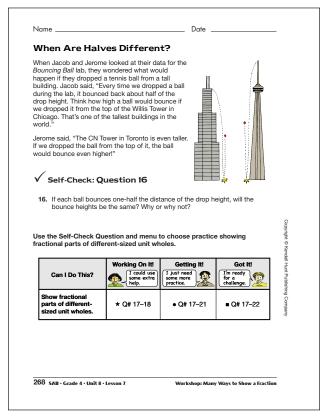


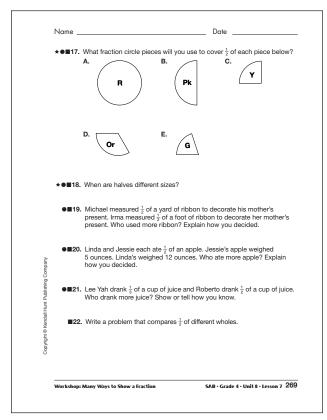


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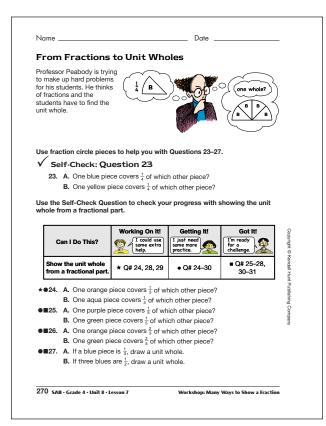
- **16.** No, because the drop height for each one is different.
- **17.** Possible responses:
 - **A.** 1 pink, 2 yellows, 3 aquas, 4 blues, 5 purples, 6 blacks
 - B. 1 yellow, 2 blues, 3 blacks
 - C. 1 blue
 - D. 1 aqua, 2 blacks
 - E. 1 purple
- 18. When the wholes are different in size
- 19. Michael used more ribbon. A yard is three times as big as foot, so $\frac{1}{2}$ of a yard is bigger than $\frac{1}{2}$ of a foot.
- **20.** Linda ate more apple. Linda's apple (the unit whole) was bigger than Jessie's.
- **21.** Roberto drank more juice. The unit whole is one cup. $\frac{1}{2} > \frac{1}{3}$.
- **22.** Problems will vary. Possible response: Becky ate $\frac{1}{2}$ of a 6-inch pizza. Her sister ate $\frac{1}{2}$ of a 12-inch pizza. Who ate more pizza? Explain how you decided.



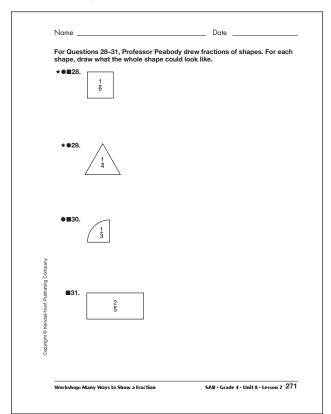


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B. 1 red

24. A. 1 red

B. 1 pink

25. A. 1 pink

B. 1 red

26. A. 1 pink

B. 1 pink

27. *A*

B B

28.–31. Shapes will vary. Possible responses:

28. $\begin{bmatrix} 1 & 1 & 1 & 1 & 1 & 1 \\ \hline 6 & \overline{6} & \overline{6} & \overline{6} & \overline{6} & \overline{6} \end{bmatrix}$

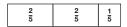
29.



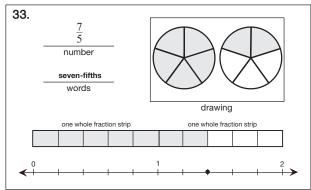
30.

1 3	1 3
1 3	

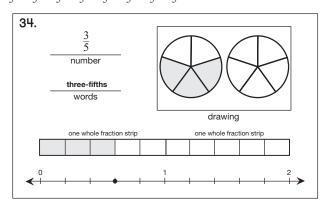
31.



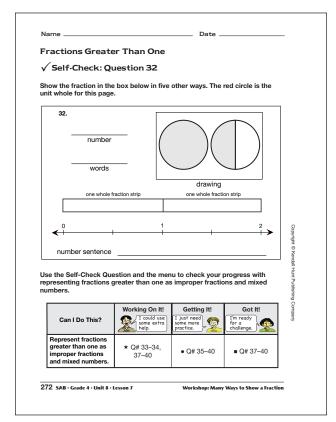
Number Sentence: $\frac{1}{2} + \frac{1}{2} + \frac{1}{2} = \frac{3}{2}$ or $\frac{1}{2} \times 3 = \frac{3}{2} = 1\frac{1}{2}$



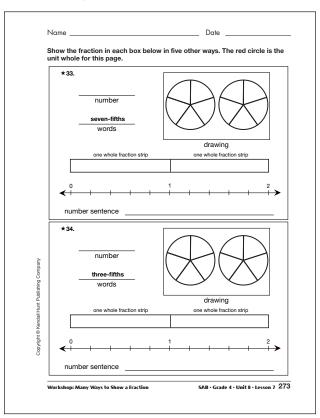
Number Sentence: $\frac{1}{5} \times 7 = \frac{7}{5} = 1\frac{2}{5}$; $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} = \frac{7}{5}$

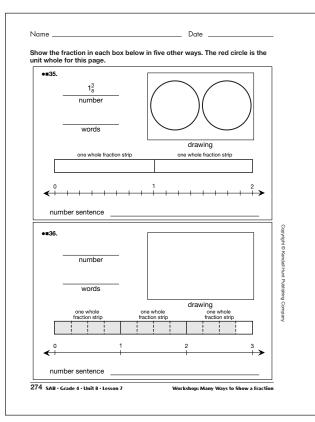


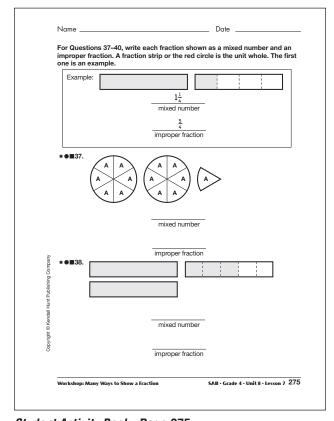
Number Sentence: $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} = \frac{3}{5}$



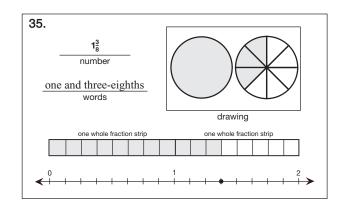
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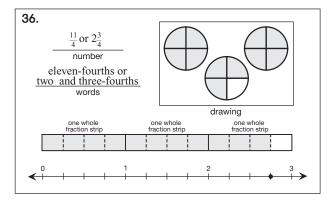




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Number Sentence: $\frac{1}{8} \times 11 = \frac{11}{8} = 1\frac{3}{8}$; $1 + \frac{3}{8} = 1\frac{3}{8}$



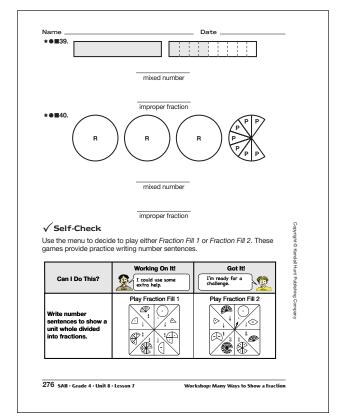
Number Sentence: $\frac{1}{4} \times 11 = \frac{11}{4} = 2\frac{3}{4}$; $2 + \frac{3}{4} = 2\frac{3}{4}$

37.
$$2\frac{1}{6}$$
; $\frac{13}{6}$

38.
$$2\frac{3}{5}$$
; $\frac{13}{5}$

39. $1\frac{4}{9}$; $\frac{13}{9}$

40. $3\frac{7}{10}$; $\frac{37}{10}$



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Fraction Representations Chart

Questions 1-4 (SAB pp. 289-292)

	Fraction	Circle	Strip	Number Line
Ex.	<u>1</u> 6			←
1. A.	<u>2</u> 6			←
В.	$\frac{3}{6}$			⋖
C.	<u>4</u> 6			▼ 1 4 6
D.	$\frac{5}{6}$			⋖
E.	$\frac{6}{6}$			⋖
2. A.	<u>1</u> 3			$\left \begin{array}{c} \bullet \\ \bullet \\ \frac{1}{3} \end{array} \right $
В.	$\frac{2}{3}$			→ 1 2 3
C.	3/3			3/3
3. A.	$\frac{1}{5}$			←
В.	<u>2</u> 5			⋖ 1 1 1 → 2 5
C.	$\frac{3}{5}$			√ 1 3 5
D.	$\frac{4}{5}$			◆
E.	515			←

Answer Key • Lesson 7: Workshop: Many Ways to Show a Fraction

