

Student Activity Book








Black Circle Pieces

Questions 1–6 (SAB pp. 293–296)

1.
 - A. 12 black pieces
 - B. 6 black pieces
 - C. 3 black pieces
 - D. 4 black pieces
 - E. 2 black pieces
 - F. No amount of black pieces cover a blue piece evenly.
 - G. 3 black pieces
2. A blue piece is larger. 11 black pieces will cover more of the red circle than 7 blue pieces.
3.
 - A. An orange piece
 - B. A yellow piece
 - C. An aqua piece
 - D. A pink piece
4.
 - A. $\frac{1}{12}$
 - B. $\frac{6}{12}$
 - C. $\frac{4}{12}$
 - D. $\frac{11}{12}$

Name _____ Date _____

Black Circle Pieces

Red	Pink	Orange	Yellow	Aqua	Blue	Black
						

Use the red circle, and the pink, orange, yellow, aqua, blue, and black fraction circle pieces for these questions.

1. Cover each of the pieces below evenly with all black pieces. Tell how many black pieces cover each piece evenly. If you cannot cover a piece with all blacks evenly, say so.
 - A. _____ black pieces cover the red circle evenly.
 - B. _____ black pieces cover a pink piece evenly.
 - C. _____ black pieces cover a yellow piece evenly.
 - D. _____ black pieces cover an orange piece evenly.
 - E. _____ black pieces cover an aqua piece evenly.
 - F. _____ black pieces cover a blue piece evenly.
 - G. _____ black pieces cover 2 blue pieces evenly.

Copyright © Kendall Hunt Publishing Company

Equivalent Fractions SAB • Grade 4 • Unit 8 • Lesson 8 293

Student Activity Book - Page 293

Name _____ Date _____

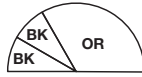
2. Which is larger, a black piece or a blue piece? Which covers more of the red circle, 11 black pieces or 7 blue pieces?
3.
 - A. A black piece is $\frac{1}{4}$ of what other piece? _____
 - B. A black piece is $\frac{1}{3}$ of what other piece? _____
 - C. A black piece is $\frac{1}{2}$ of what other piece? _____
 - D. 3 black pieces cover $\frac{1}{2}$ of what other piece? _____
4. If the red circle is one whole, write a fraction for the following pieces.
 - A. 1 black piece _____
 - B. 6 black pieces _____
 - C. 4 black pieces _____
 - D. 11 black pieces _____

Copyright © Kendall Hunt Publishing Company

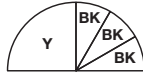
294 SAB • Grade 4 • Unit 8 • Lesson 8 Equivalent Fractions

Student Activity Book - Page 294

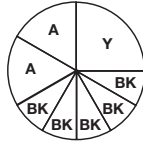
5. A. Possible response:
orange; 2 blacks and
1 orange; $\frac{1}{2} = \frac{2}{12} + \frac{1}{3}$



- B. Possible response:
yellow; 3 blacks and
1 yellow; $\frac{1}{4} + \frac{3}{12} = \frac{1}{2}$

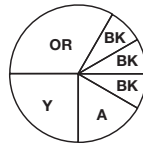


6. A. Possible response:
aqua and yellow; 5
blacks, 2 aquas, and 1
yellow



$$\frac{5}{12} + \frac{2}{6} + \frac{1}{4} = 1$$

- B. Possible response:
orange, aqua, and
yellow; 3 blacks, 1
yellow, 1 aqua, and
one orange

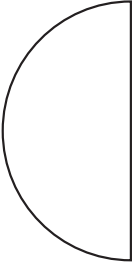


$$\frac{3}{12} + \frac{1}{6} + \frac{1}{4} + \frac{1}{3} = 1$$

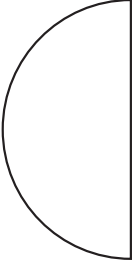
Name _____ Date _____

5. Cover a pink piece using only black pieces and one other color. Do not use blue.

A. What other color did you use? How many blacks and how many pieces of the other color? Draw a picture. Write an addition number sentence for your solution.



B. Solve the problem a different way. What other color did you use this time? How many blacks and how many pieces of the other color? Draw a picture. Write an addition number sentence for your solution.



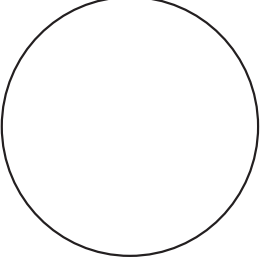
Copyright © Kendall Hunt Publishing Company

Equivalent Fractions SAB • Grade 4 • Unit 8 • Lesson 8 295

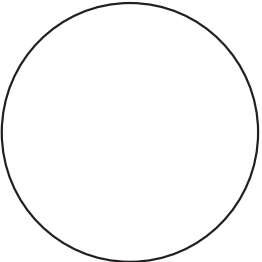
Student Activity Book - Page 295

Name _____ Date _____

6. A. Cover the red circle using black pieces and two other colors. Do not use blue, pink, or purple. What two other colors did you use? How many blacks and how many pieces of each other color? Draw a picture. Write a number sentence for your solution.



B. Cover the red circle using black pieces and three other colors. Do not use blue, pink, or purple. What other colors did you use? How many blacks and how many pieces of each other color? Draw a picture and write a number sentence for your solution.



Copyright © Kendall Hunt Publishing Company

Use the *Equivalent Fractions* pages in the *Student Guide* to practice finding equivalent fractions using multiplication and division strategies.

296 SAB • Grade 4 • Unit 8 • Lesson 8 Equivalent Fractions

Student Activity Book - Page 296