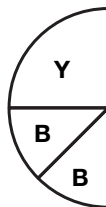


Student Activity Book

**Pieces Puzzles (SAB pp. 25–26)
Questions 1–8**

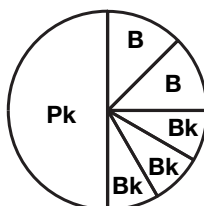
1.



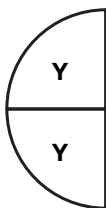
2.



3.*



4.



5. A. $\frac{1}{2}$

B. $\frac{1}{8}$

C. $\frac{1}{3}$

6. A. $\frac{3}{4}$

B. Four blue pieces cover the whole pink piece, so the denominator is fourths. We used 3 blue pieces, so the numerator is 3.

C. $\frac{3}{8}$

D. Eight blue pieces cover the red circle, so the denominator is eighths. We used 3 blue pieces, so the numerator is 3.

7. A. yellow

B. pink

C. red

8. A. $\frac{5}{8}$

B. $\frac{6}{8}$

C. $\frac{3}{4}$

D. $\frac{3}{12}$

E. $\frac{4}{4}$ or 1

F. $\frac{12}{12}$ or 1

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Name _____ Date _____

Pieces Puzzles

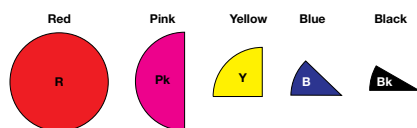
- Guess which pieces from the second column will cover the piece in the first column. Write down your guess before you use the pieces.
- Solve the puzzle. Draw your solution in the last column.

Circle Piece to Cover	Possible Pieces	Guess	Solution
Example 		2 yellows and 1 pink	
1. 			
2. 			
3. 			
4. 			

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Name _____ Date _____

Use the red, pink, yellow, blue, and black pieces to answer the questions.



- A. A yellow piece covers what fraction of a pink piece? _____

B. A blue piece covers what fraction of a red piece? _____

C. A black piece covers what fraction of a yellow piece? _____
- A. Three blues cover what part of a pink piece? _____

B. When you write the fraction for Question 6A, how do you know what denominator to use? What numerator?

C. Three blues cover what part of a red circle? _____

D. When you write the fraction for Question 6C, how do you know what denominator to use? What numerator?
- A. A blue piece is $\frac{1}{2}$ of what circle piece? _____

B. A blue piece is $\frac{1}{4}$ of what circle piece? _____

C. A blue piece is $\frac{1}{8}$ of what circle piece? _____
- If the red circle is the unit whole, write a number for each of the following:

A. 5 blue pieces _____ B. 6 blue pieces _____

C. 3 yellow pieces _____ D. 3 black pieces _____

E. 4 yellow pieces _____ F. 12 black pieces _____

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

Name _____ Date _____

7. What can you say about the number of pieces and the size of the pieces it takes to cover the whole circle?

✓ Check-In: Questions 8-10

Solve the following problems **without** circle pieces.

8. Mr. Moreno made a shape with 20 green pieces. He covered the same shape with 40 purple pieces.
- A. Which is larger, 1 purple or 1 green?
- B. How do you know?
9. Mr. Moreno found some gray and maroon circle pieces in the storage room. Sixteen gray pieces cover a red circle. Seventeen maroon pieces cover a red circle.
- A. Which is larger, 1 gray or 1 maroon?
- B. How do you know?
10. Which fraction is larger, $\frac{7}{8}$ or $\frac{1}{12}$? Show or tell how you know.

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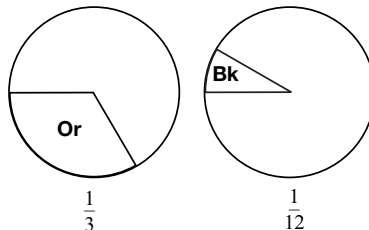
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Which is Larger (SAB p. 31)

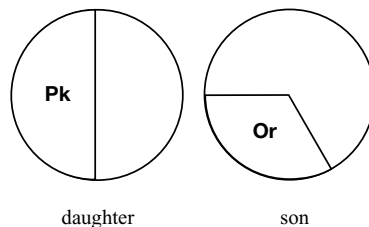
Homework

Questions 1-5

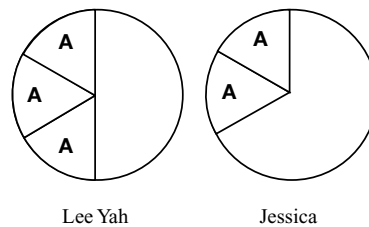
1. A. $\frac{1}{3} > \frac{1}{12}$ B. $\frac{1}{5} > \frac{1}{6}$
 C. $\frac{2}{8} < \frac{2}{6}$ D. $\frac{50}{100} = \frac{1}{2}$
2. Possible response: The larger the denominator, the smaller the fractional part.



3. Mr. Hickman's son ate less.



4. Lee Yah ate more.



5. They ate the same amount.
 5 is half of 10 so $\frac{5}{10}$ is equal to $\frac{1}{2}$.

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Name _____ Date _____

Which is Larger



1. Use $<$, $>$, or $=$ to write a true number sentence.
- A. $\frac{1}{3} \bigcirc \frac{1}{12}$ B. $\frac{1}{5} \bigcirc \frac{1}{6}$
- C. $\frac{2}{8} \bigcirc \frac{2}{6}$ D. $\frac{50}{100} \bigcirc \frac{1}{2}$
2. Tell how you decided which fraction is larger in Question 1A.
3. Mr. Hickman made a large apple pie. His daughter ate $\frac{1}{2}$ of the pie. His son ate $\frac{1}{3}$ of the pie. Who ate less? Draw a picture to show your thinking.
4. Jessica and Lee Yah shared a large pizza. Jessica ate $\frac{2}{6}$ of the pizza. Lee Yah ate $\frac{3}{6}$ of the pizza. Who ate more? Show or tell how you know.
5. Mathew and Cassandra shared a bag of candy. Mathew ate $\frac{1}{2}$ and Cassandra ate $\frac{5}{10}$. Who ate more? Show or tell how you know.

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