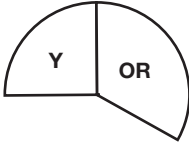
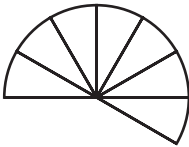
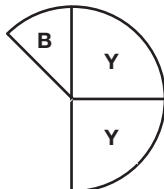
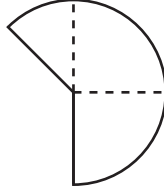
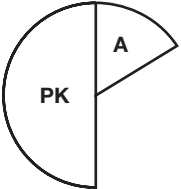
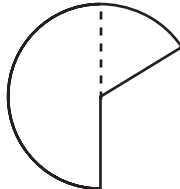
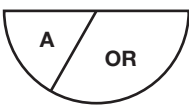
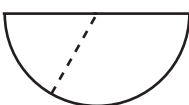
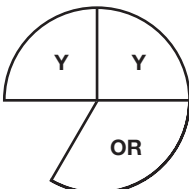
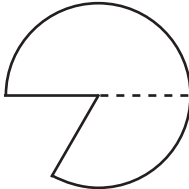
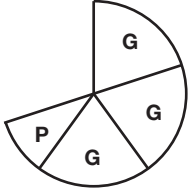
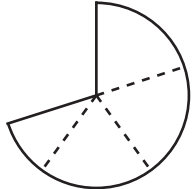
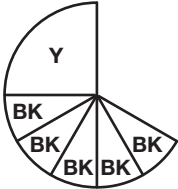
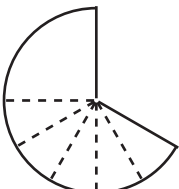
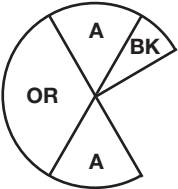
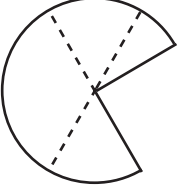
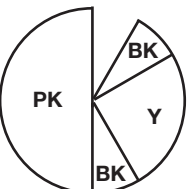
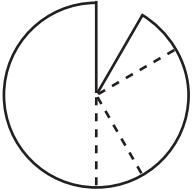

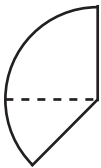
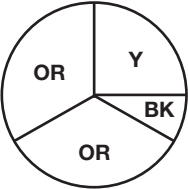
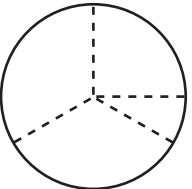


# Find Fraction Sums 1

Fraction sums are shown with fraction circles in the first column of the chart below. Use fraction circle pieces to show the problem. Find the sum using pieces of only one color. Draw a picture to show how you solved it in the second column. Write the color you used in the blank. Write two number sentences for the sum in the third column. The first row is an example.

| Fraction Sum  | Using One Color  | Number Sentences  |
|---|--|---|
| <p><b>Example</b></p>  | <p>Color: <u>Black</u></p>  | $\frac{1}{4} + \frac{1}{3} = \frac{7}{12}$ $\frac{3}{12} + \frac{4}{12} = \frac{7}{12}$ |
| <p><b>1.</b></p>      | <p>Color: _____</p>        |   |
| <p><b>2.</b></p>     | <p>Color: _____</p>       |   |
| <p><b>3.</b></p>     | <p>Color: _____</p>       |   |
| <p><b>4.</b></p>     | <p>Color: _____</p>       |   |

| Fraction Sum   | Using One Color   | Number Sentences |
|--|---|------------------|
| <p>5.</p>     | <p>Color: _____</p>    |                  |
| <p>6.</p>     | <p>Color: _____</p>    |                  |
| <p>7.</p>    | <p>Color: _____</p>   |                  |
| <p>8.</p>   | <p>Color: _____</p>  |                  |
| <p>9.</p>   | <p>Color: _____</p>  |                  |
| <p>10.</p>  | <p>Color: _____</p>  |                  |

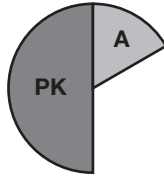
Julia solved Question 2 this way.

$$\frac{1}{2} + \frac{1}{6}$$

$$\frac{1 \times ?}{2 \times ?} = \frac{?}{6}$$

$$\frac{1 \times 3}{2 \times 3} = \frac{3}{6}$$

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



If I can rename  $\frac{1}{2}$  as sixths, they will be easier to add.

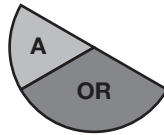


**11.** Use Julia's way to solve Question 3.

$$\frac{1}{6} + \frac{1}{3}$$

$$\frac{1 \times \square}{3 \times \square} = \frac{\square}{6}$$

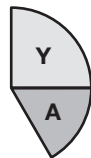
$$\frac{1}{6} + \frac{\square}{6} = \underline{\quad}$$



**12.** Use Julia's way to help Romesh solve Question 9.



Can I rename them as sixths?  
No. Fourths? No.  
Twelfths? Yes!



$$\frac{1}{4} + \frac{1}{6}$$

$$\frac{1 \times ?}{4 \times ?} = \frac{?}{6} \quad \text{NO}$$

$$\frac{1 \times ?}{6 \times ?} = \frac{?}{4} \quad \text{NO}$$

$$\frac{1 \times \square}{4 \times \square} = \frac{\square}{12}$$

$$\frac{1 \times \square}{6 \times \square} = \frac{\square}{12}$$

$$\frac{\square}{12} + \frac{\square}{12} = \underline{\quad}$$