Mr. Rodriguez mixes red, blue, and white paint for a project in art class. He uses  $\frac{5}{6}$  of a jar of red paint,  $\frac{2}{6}$  of a jar of blue paint, and  $\frac{1}{6}$  of a jar of white paint. About how many jars of paint does he use?

- **A.** Write an expression to represent the situation. Possible answer:  $\frac{5}{6} + \frac{2}{6} + \frac{1}{6}$
- B. Is the problem asking for an exact answer? No, it says "about how many."
- C. Use benchmarks to estimate each fraction.
  - $\frac{5}{6}$  is close to 1 whole because almost the whole circle is shaded.
  - $\frac{2}{6}$  is close to  $\frac{1}{2}$  because about  $\frac{1}{2}$  of the circle is shaded.
  - $\frac{1}{6}$  is close to 0 because very little of the circle is shaded.
- **D.** About how much of each color paint does Mr. Rodriguez use? about 1 jar of red, about  $\frac{1}{2}$  jar of blue, and almost no white
- **E.** Write an equation to estimate the total jars of paint Mr. Rodriguez uses.  $\frac{1 + \frac{1}{2} + 0}{1 + \frac{1}{2}} = 1\frac{1}{2}$

Mr. Rodriguez uses about  $\frac{1\frac{1}{2}jars}{1\frac{1}{2}jars}$  of paint.

## Use benchmarks to estimate the sum or difference.

1 Adam buys a bag of dog food with a weight of  $\frac{7}{8}$  pound and a bag of cat food with a weight of  $1\frac{1}{8}$  pounds. Estimate the total weight of the pet food he buys.



