

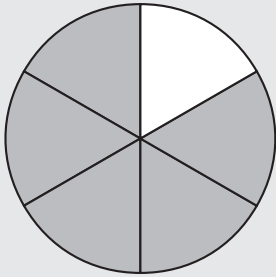
10

Fractions & Mixed Numbers

A.1.1.1 A.1.1.2 A.1.2.1

Example

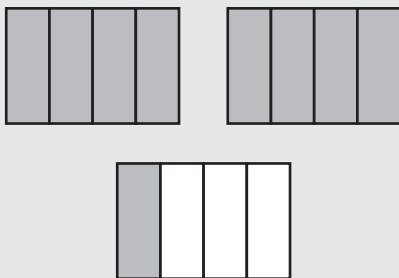
What fraction of the figure is shaded?



- A $\frac{1}{6}$ C $\frac{4}{5}$
 B $\frac{1}{5}$ D $\frac{5}{6}$

Example

What mixed number is represented below?



- A $2\frac{1}{4}$ C $3\frac{1}{4}$
 B $2\frac{3}{4}$ D $3\frac{3}{4}$

Thinking It Through

Look Make sure you look at the diagram to determine the correct answer. Pay attention to the total number of parts as well as to the number of parts shaded.

The figure is divided into 6 equal sections. 5 of the sections are shaded. So $\frac{5}{6}$ of the figure is shaded, *answer D*.

Thinking It Through

Skim Each completely shaded rectangle represents 1 whole.

Count the number of figures that are completely shaded. There are 2.

Write the fraction that is shaded of the other figure: $\frac{1}{4}$.

Assemble Combine the whole-number part and the fraction part: $2 + \frac{1}{4} = 2\frac{1}{4}$. The correct answer is *A*.

Review

- A **fraction** can name part of a whole unit or part of a group.
- The bottom number of a fraction is the **denominator**, which names the number of equal parts. The top number, the **numerator**, names the number of parts being used.
- A **mixed number** names a combination of a whole number and a fraction. Read a mixed number by naming the whole-number part, the word *and*, and then the fraction part. For example, $2\frac{1}{2}$ is read *two and one half*.

Fractions & Mixed Numbers

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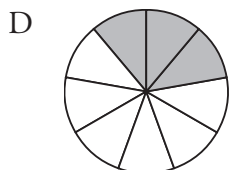
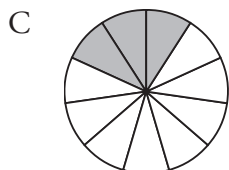
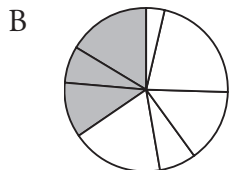
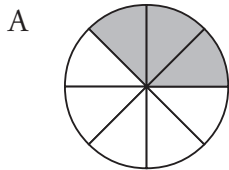
DIRECTIONS Read and solve each question. Then circle the letter of the best answer.

1. What fraction of the animals are dogs?



- A $\frac{3}{10}$ C $\frac{7}{10}$
 B $\frac{3}{7}$ D $\frac{7}{3}$

2. Which circle has $\frac{3}{8}$ shaded?



3. What mixed number is represented by point A on the number line?



- A $2\frac{2}{5}$
 B $2\frac{3}{5}$
 C $2\frac{3}{4}$
 D $3\frac{2}{5}$



Count the number of marks from 2 to 3 (not counting 2) to find the denominator of the fraction.

4. What fraction of the letters in PENNSYLVANIA are consonants? HINT: count Y as a vowel.

- A $\frac{6}{12}$
 B $\frac{7}{12}$
 C $\frac{8}{12}$
 D $\frac{7}{5}$