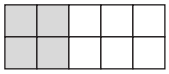
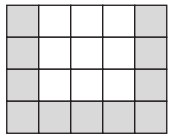
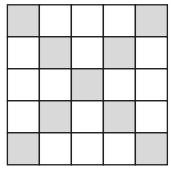
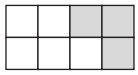
Additional Practice

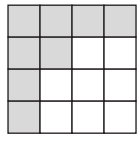
1. For each of the grids given below, express the shaded region of the grid as a fraction, a decimal, and a percent.

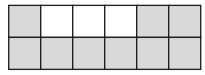
a. 

b. 

c. 

d. 

e. 

f. 

2. Angie and Jim conducted a survey of their sixth-grade classmates in their mathematics class. They found out the following information:

- 70% of the students in the class do homework three or more nights each week.
- Of the students who do homework three or more nights each week, half do homework five nights each week.

a. What percentage of the students in the class do homework two nights or less each week? Explain your reasoning.

b. What fraction of the students in the class do homework five nights each week? Explain your reasoning.

c. What percentage of students in the class do homework three or four nights a week? Explain your reasoning.

d. From the information provided, can you tell how many students are in the class? Explain why or why not.

3. In a class of 24 sixth-graders, 25% walk to school, $\frac{1}{8}$ ride bicycles to school, $\frac{1}{3}$ take the bus to school, and the remainder of the class are driven to school by their parents or guardians.

a. How many students in the class walk to school? Explain your reasoning.

b. How many students in the class ride bicycles to school? Explain your reasoning.

c. How many students in the class take the bus to school?

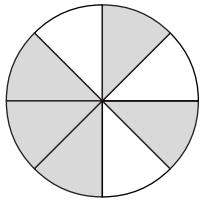
d. What fraction of the class are driven to school by their parent or guardian? Explain your reasoning.

e. What percentage of the students in the class walk, ride bicycles or the bus, or are driven to at school by a parent or guardian? Explain your reasoning.

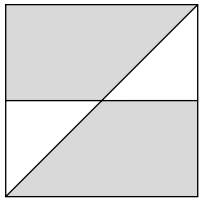
Additional Practice *(continued)*

4. Express the shaded region of each drawing as a fraction, a decimal, and as a percent.

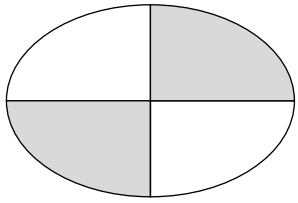
a.



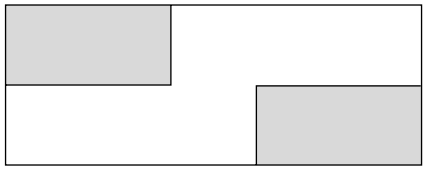
b.



c.



d.



5. In one competition, the archery team had to shoot at targets from three different distances: 10 m, 20 m, and 30 m. The number of hits and the number of shots for each distance are given below. Write their score for each round as a fraction, a decimal, and a percent.

a. at 10 m: 42 hits out of 50 shots

b. at 20 m: 37 hits out of 50 shots

c. at 30 m: 18 hits out of 50 shots

6. Fill in the missing parts of the table.

Fraction	Decimal	Percent
$\frac{3}{8}$		
	0.88	
		35%
$1\frac{1}{4}$		
	0.625	
		275%