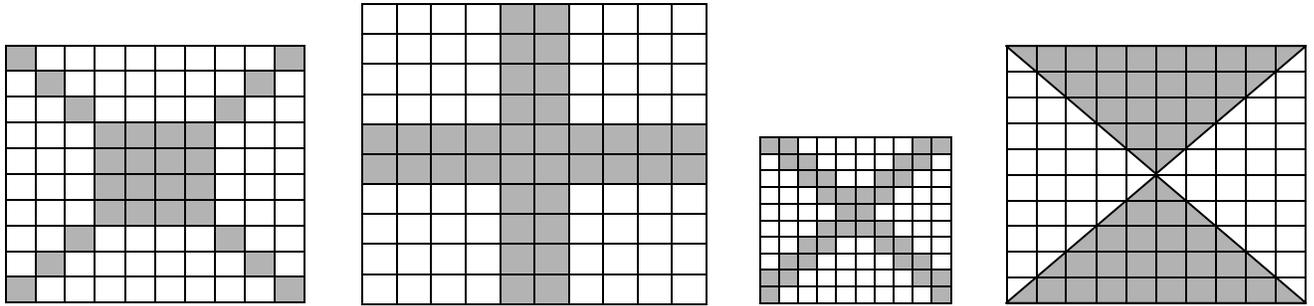
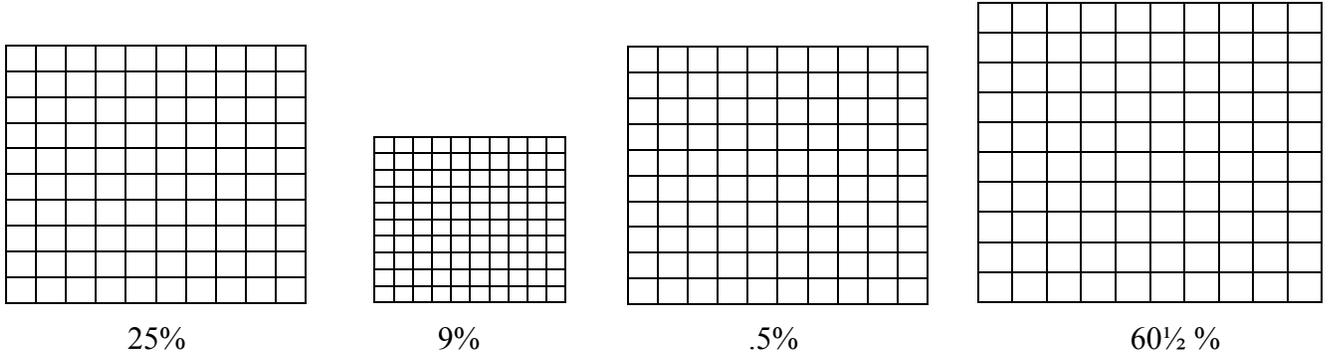


Modeling Percentages

1 Determine what percentage of each grid is shaded.



2 Shade the indicated percentage of each grid.



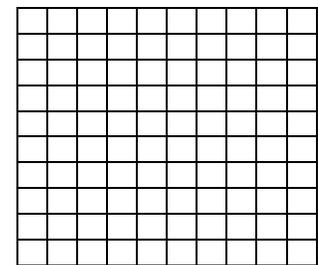
3 Suppose the grid shown here has a value of \$300 and this value is distributed evenly among the small squares. Record your methods of determining the following:

\$300

a What is the value of 10 small squares?

b Shade and determine the value of 15% of the grid.

c What is the value of 87.5 small squares?



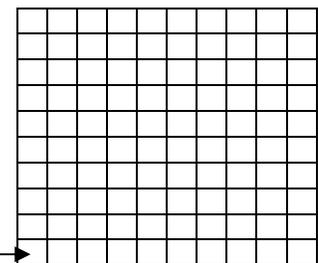
4 Suppose each small square on this grid has a value of \$1.60. Record your methods of determining the following:

a What is the value of the whole grid?

b How many small squares would have a value of \$56?

c \$56 is what percent of the whole grid?

\$1.60



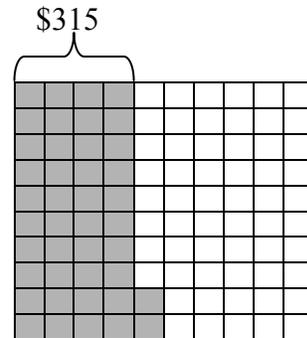
- d** What is the value of 90% of the whole grid?
- 5** Suppose the shaded part of this grid has a value of \$315 and this value is spread evenly among the shaded squares. Show your methods and reasoning for each of the following:

a What is the value of 1 small square?

b What is the value of the whole grid?

c \$315 is what percent of the whole grid?

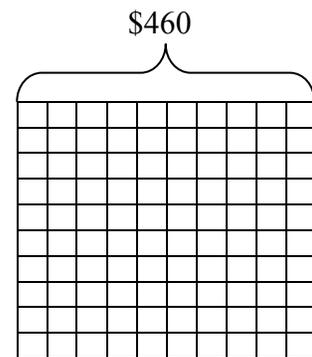
d What is the value of the unshaded part of this grid?



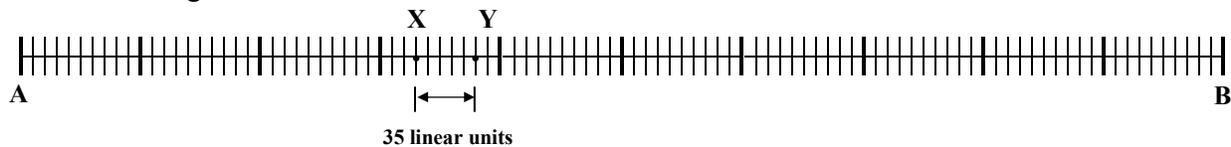
6 Suppose the following grid has a value of \$460 and this value is spread evenly among the small squares. Show your methods and reasoning for each of the following:

a What percent of the grid would have a value of \$345?

b What is the value of 27% of the grid?



7 Problems a through c below refer to the following line segment. Record your methods of determining each answer.



a What is the total length of segment AB?

b How long is 17% of segment AB?

c What percent of AB is 35 linear units?