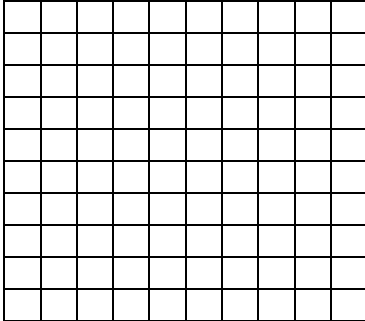
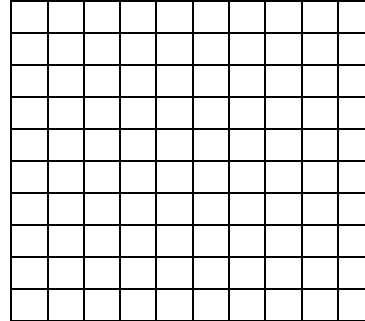


1. Represent each of the following on separate 100 –square grids.

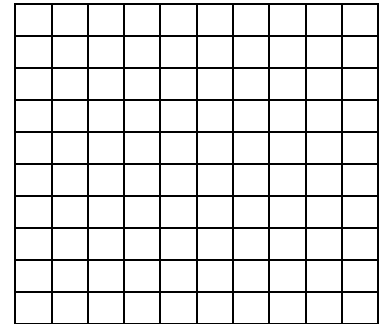
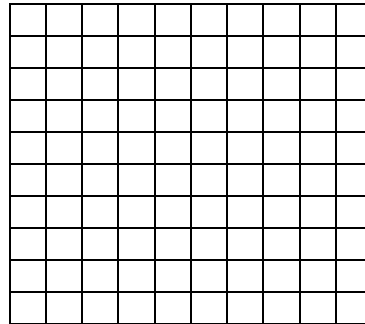
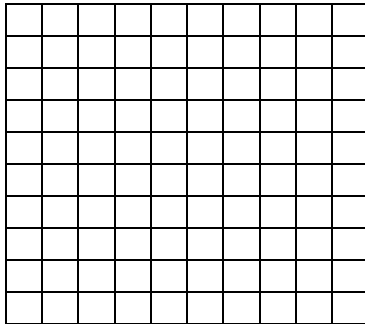
a. 2.5%



b. 25%



c. 250%



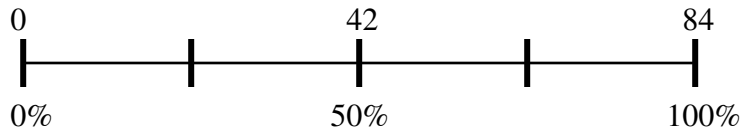
2. Write each of the following as a decimal and as a fraction.

a. 2.5%

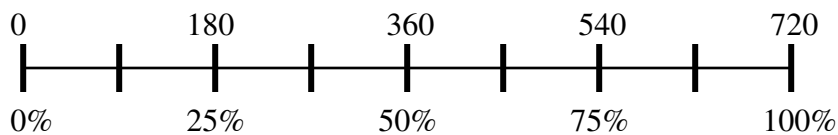
b. 25%

c. 250%

3. Use the number line to answer this question: 21 is what percent of 84?



4. Use the number line to find 87.5% of 720.



5. Write each percent as a decimal

a. 76%

b. 3.2%

c.  $6\frac{3}{8}\%$

d. 232%

6. Write each decimal as a percent

a. 0.35

b. 3.65

c. 0.03

d. 2

7. Write each percent as a fraction

a. 60%

b. 3.25%

c.  $66\frac{2}{3}\%$

d. 84%

8. Write each fraction as a percent

a.  $\frac{4}{5}$

b.  $\frac{5}{8}$

c.  $\frac{2}{3}$

d.  $\frac{5}{6}$

9. A college class started out with 56 students. After the drop date, there were 35 students. What was the percent of decrease in the class size.

10. A baby at birth weighed 8 pounds. At his first birthday he weighed 20 pounds. Find the percent of increase in the baby's weight.

11. a. What is 4% of \$45?

b. 57 is 20% of what?

c.  $33\frac{1}{3}\%$  of what is 60?

d. What percent of 50 is 40?

e. 60 is what percent of 40?

f. What is 40% of 220?

12. On a 40 question multiple choice history test, a student answered 70% of the questions correctly. How many questions did the student answer correctly?

13. A large coke at the movie theatre costs \$2.75. The coke costs the theatre \$0.30. Find the percent of increase. Round to the nearest percent.

14. A shirt that costs \$80 is marked down 25%. This price is then reduced another 30%. a. What is the sale price after the two markdowns? What is the percent of decrease?