Percent - Sneakers Name:_____

Kate and Jane are shopping for sneakers. They see this special offer.

Great savings!

20% off these sneakers!

Now only $44

Kate and Jane both want to find out how much they will save.

Kate says, "20% of $44 is $8.80. That's a good saving."

Jane says, "I think the sneakers are reduced by $11."

Who is right? _____

1. Explain what each girl has done to figure out her answer and say what mistake led to the wrong answer.

   _____
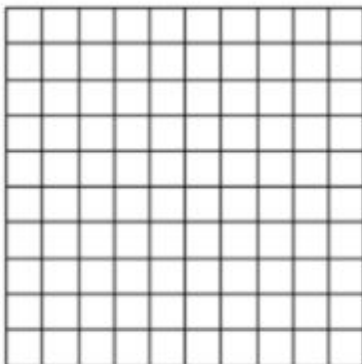
   _____

   _____

   _____

2. Explain why, if the price of something is increased by 10% and then the new price is reduced by 10%, the final price is less than the original price.

   _____

   _____

   _____

   _____

Exercise 1: Match the percents with the correct sentence clues.
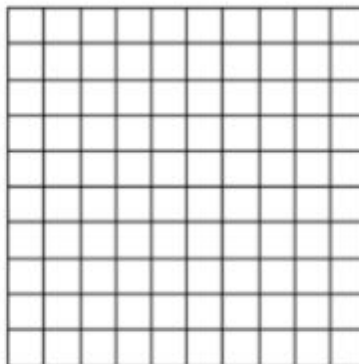
25%	I am half of a half. 5 cubic inches of water filled in a 20 cubic inch bottle.
50%	I am less than $\frac{1}{100}$. 25 out of 5,000 contestants won a prize.
30%	The chance of birthing a boy or a girl. A flip of a coin.
1%	I am less than a half but more than one-fourth. 15 out of 50 play drums in a band.
10%	I am equal to 1. 35 question out of 35 questions were answered correctly.
100%	I am more than 1. Instead of the $1,200 expected to be raised, $3,600 was collected for the school's fundraiser.
300%	I am a tenth of a tenth. One penny out of one dollar.
$\frac{1}{2}$%	I am less than a fourth but more than a hundredth. $11 out of $110 earned is saved in the bank.

Exercise 2: Color in the grids to represent the following fractions

a. $\frac{30}{100}$

b. $\frac{3}{100}$

c. $\frac{\frac{1}{3}}{100}$