Name _____ Date _____

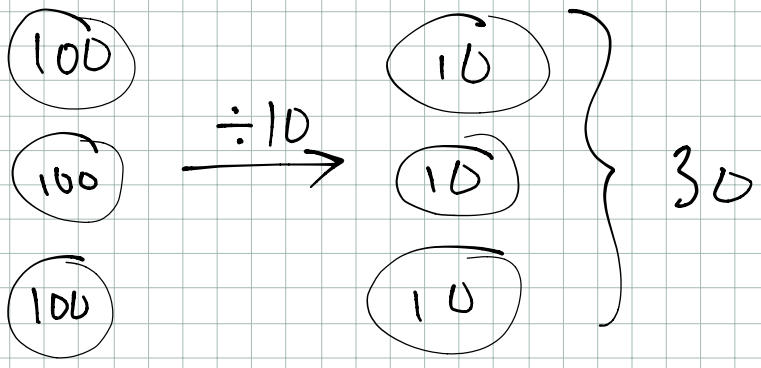
1. Divide. Draw number disks to show your thinking for (a) and (c). You may draw disks on your personal white board to solve the others if necessary.

a. 300 ÷ 10 see next page	b. 450 ÷ 10 45
c. 18,000 ÷ 100 see next page	d. 730,000 ÷ 100 7300
e. 900,000 ÷ 1,000 900	f. 680,000 ÷ 1,000 680

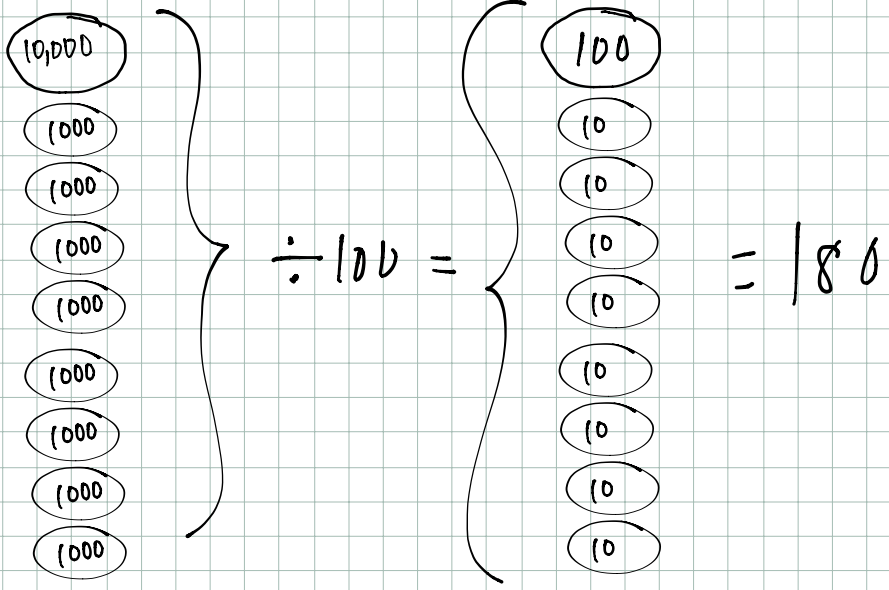
2. Divide. The first one is done for you.

a. 18,000 ÷ 20 = 18,000 ÷ 10 ÷ 2 = 1,800 ÷ 2 = 900	b. 18,000 ÷ 200 = 18,000 ÷ 100 ÷ 2 = 180 ÷ 2 = 90	c. 18,000 ÷ 2,000 = 18000 ÷ 1000 ÷ 2 = 18 ÷ 2 = 9
d. 420,000 ÷ 60 = 420000 ÷ 10 ÷ 6 = 42000 ÷ 6 = 7000	e. 420,000 ÷ 600 = 420000 ÷ 100 ÷ 6 = 4200 ÷ 6 = 700	f. 420,000 ÷ 6,000 = 420000 ÷ 1000 ÷ 6 = 420 ÷ 6 = 70

a) $300 \div 10 = 30$



c) $18,000 \div 100 = 180$



g. 24,000 ÷ 30	h. 560,000 ÷ 700	i. 450,000 ÷ 9,000
= 24000 ÷ 10 ÷ 3 = 2400 ÷ 3 = 800	= 560000 ÷ 100 ÷ 7 = 5600 ÷ 7 = 800	= 450000 ÷ 1000 ÷ 9 = 450 ÷ 9 = 50

3. A stadium holds 50,000 people. The stadium is divided into 250 different seating sections. How many seats are in each section?

50000 ÷ 250
= 50000 ÷ 10 ÷ 25
= 5000 ÷ 25
= 200

200 seats

4. Over the course of a year, a tractor-trailer commutes 160,000 miles across America.
   a. Assuming a trucker changes his tires every 40,000 miles, and that he starts with a brand new set of tires, how many sets of tires will he use in a year?

160000 ÷ 40000
= 160000 ÷ 10000 ÷ 4
= 16 ÷ 4
= 4

4 sets of tires

   b. If the trucker changes the oil every 10,000 miles and he starts the year with a fresh oil change, how many times will he change the oil in a year?

= 160000 ÷ 10000
= 16

16 oil changes