Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ December 2, 2019

1. The algorithm for dividing by a decimal is often described by students as “scooping the decimal” in the divisor and then the same in the dividend (For example: 156.4 ÷.78 ) . Write an explanation about why this works using what you learned today in class. Use models, fractions, etc. to support your explanation.

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1. If 64 is 20% of a number, what is the number?
2. 178.4 – 83.785
3. At the planetarium, there is a dome theater presentation every 30 minutes. An Imax movie plays every 50 minutes. If there is a dome theater presentation and an Imax movie at 9:00 am, at what time will they start at the same time again?
4. 486.12 ÷ 0.6