

Exam 3: Percent and Graphing Review

Name _____ Date _____ Mod _____

Decimals into percent:

1. 0.49
2. 0.01
3. 0.578
4. 0.002
5. 0.61
6. 1.49
7. 0.75
8. 0.0037
9. 0.876
10. 0.148

Percents into decimal:

1. 81.2%
2. 7%
3. 14.5%
4. 225%
5. 6%
6. 62.5%
7. 0.9%
8. 64%
9. 31.3%
10. 48%

Part of total:

1. 13% of 186 g
2. 50.0% of 42.6 ml
3. 91.1% of 45.40 cm
4. 0.6% of 1.9 m
5. 31.0% of 22 L
6. 15.5% of 48.9 s

Problems:

1. I poured 135.0 mL of lemonade into one glass and 115.0 mL into another. What is the percent difference between the two glasses of lemonade?
2. The glasses I was using for lemonade can hold a total of 200.0 mL of liquid. What percent of the glass is full if I pour 184.0 mL into it?
3. I massed a rock at 4.87 kg and Sally massed it at 4.25 kg. What is the percent difference between our measurements?
4. If the true mass of the above rock is 4.37 kg. What is my percent error? What is Sally's percent error?
5. The class found the density of an object to be 54.8 g/cm³. The true density is 55.5 g/cm³. What is the class's percent error?

Also on the exam:

- Metric conversions
- Graphing (types used and making of) will also be on the exam.
 - Including calculations for circle graphs – percent of segments and angles
- Remember to bring calculator and graphing supplies.