Feb 7, 2018

- 1) Significant Digits cont
 - Answers to HW
 - Rounding with SD

Warm-Up

List the number of SD in each number.

- 1) 0.004560
- 2) 104560
- 3) 6980430.5

510 Sig Figs Answers

1.670 mg 25F 2.0.0045g 25F 3.5005.0cm 55F

4. 3.250 km 45F 5. 43.050 L 55F 6. 0.354m 35F

7. 0.0540g 35F 8. 300,900 L 45F 9. 2.000 cm 45F 10. 6720.45m 65F

11. 50,000km 15F 12. 0.0005g 15F

Rounding using significant digits

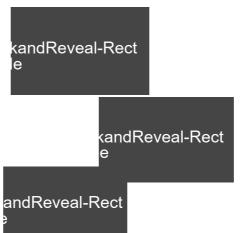
- 1. You must maintain the place value of the number
- 2. You can use zeros to keep the value, but decrease significant digits (remember zeros at the end do not count unless there is a decimal in the number and zeros at the beginning never count)
- 3. Always check the number beside the last significant digit if it is 4 or less keep it the same, if it is 5 or greater round that number up to the next number
- i.e. lets round 742,396 to four, three and two significant digits

i.e. How would you round this # to 3SD

0.0045678

Round each of the following to 3SD

- 1) 1456
- 2) 678 920
- 3) 0.023456



SD WS #25-30