Calculator Practice

To do the conversion factor calculations you will be doing in the next set of handouts, you will need to know how to multiply a series of fractions and how to work with numbers in scientific notation.

Directions: Use your calculators to solve these problems. The answers are provided. If you get the right answer, jot down in words or symbols what you punched into your calculator. There is more than one correct way and all calculators are a little different; so, make sure you know how to do these on your calculator. The answers are in parentheses.

1. 15 X 2/3 (10)

answer

1. 55 X 2/5 (22)
2. 20 X 1/2 X 1/5 (2)
3. 10 X 2/3 X 9/5 (12)

Do you know how to punch 1.2 X 105 into your calculator? On my calculator I punch in 1.2, EE, 5. The EE button stands for 10 to the ?? Some calculators use EXP instead of EE. You may prefer your “carrot “ button.

1. (1.2 X 105) X 1/2 (60,000)
2. (4 X 102) X 3/4 (300)
3. (6 X 10-3) X 1/3 (.002)
4. (3.6 X 10-4) X 1/9 (.00004)

Be careful about how you enter 105 in on your calculator. If you got the wrong answer in #9, I bet you entered 105 in incorrectly.

1. 105 X 10.2 (1.02 × 106)
2. 103 X 10-2 (10)