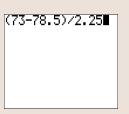
# **Statistics**

# **Basic Skills & TI Calculator**

Use your TI calculator to simplify  $\frac{73 - 78.5}{2.25}$ .

# Solution:

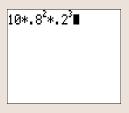
Use the ( and ) to group the numerator as shown below, then press ENTER.

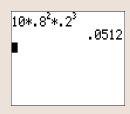


Use your TI calculator to simplify  $10 \bullet 0.8^2 \bullet 0.2^3$  and then express your answer in reduced fraction.

#### Solution:

Use the for the exponent, and after entering the numerical value of the exponent, use followed by ENTER key.





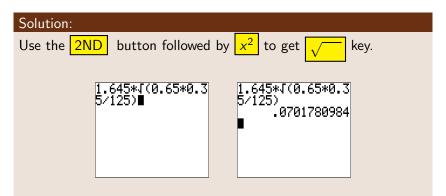
# Solution(continued):

To convert this answer to a reduced fraction whenever possible, press MATH then choose option 1 1: ▶ Frac followed by

ENTER key, and press ENTER key again

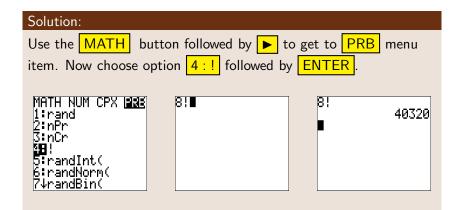
10\*.8<sup>2</sup>\*.2<sup>3</sup> .0512 Ans⊧Frac 10\*.8<sup>2</sup>\*.2<sup>3</sup> .0512 Ans⊧Frac <u>32</u> 625

Use your TI calculator to simplify  $1.645 \bullet \sqrt{\frac{0.65 \bullet 0.35}{125}}$  and then round your answer three decimal places.



The rounded-answer to three decimal places is 0.070

Use your TI calculator to find 8!.



Use your TI calculator to find  $_{12}\mathrm{C}_5$ .

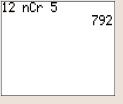
#### Solution:

First type in the numerical value, then press the MATH button followed by to get to PRB menu item. Now choose option 3: nCr, then type in the second numerical value followed by

ENTER

MATH NUM CPX **≧35** 1:rand 2:nPr **98**nCr 4:! 5:randInt( 6:randNorm( 7↓randBin(





Use your TI calculator to find  $_{10}\mathrm{P}_{4}$ .

#### Solution:

First type in the numerical value, then press the MATH button followed by to get to PRB menu item. Now choose option 2: nPr, then type in the second numerical value followed by

ENTER

MATH NUM CPX **≧35** 1:rand 1:rand 3:nCr 4:! 5:randInt( 6:randNorm( 7↓randBin(

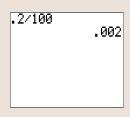




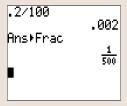
Use your TI calculator to convert 0.2% to a decimal number and then express your answer in reduced fraction.

### Solution:

First we covert the numerical value given in percent to a decimal number by dividing it by 100, then we convert the decimal number to a reduced fraction.

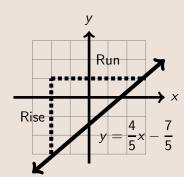




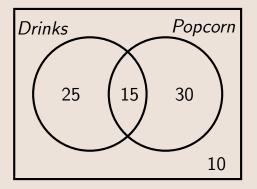


Draw a line that contains (-2, -3) with slope  $\frac{4}{5}$ . Show the rise and run of the slope. Write the equation of the line in slope-intercept form.

#### Solution:



Consider the Venn Diagram below of 80 different movie goers on what they ordered while at the movie:

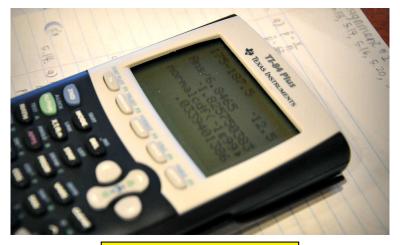


Describe what each number represent.

#### Solution:

We start by working from inside to describe each number.

- 15 movie goers ordered drinks and popcorn.
- 2 30 movie goers ordered popcorn only.
- 3 25 movie goers ordered drinks only.
- 4 10 movie goers ordered neither drinks nor popcorn.
- **3** 40 movie goers ordered drinks.
- **10** 45 movie goers ordered popcorn.



Master TI, It Is Good For You