Ca	lcu	lator	Skill	s
Ju		au		

Name _____

Parentheses, Exponents, and Integers

Mean is the average of the data. To find the mean you add all the data and then divide that answer by the amount of numbers in your list.

The negative sign is located near the zero button on most calculators.

To enter a negative number, enter the negative first and the number after that.

DO NOT use the subtraction sign in place of a negative!

Example: Find the mean of the following data: -6, 8, -2, -9, 4	
In your calculator: (-6 + 8 + -2 + -9 + 4) / 5	
answer = -1	

Circle which of the following shows the correct method for finding mean on a calculator:





Explain why the calculator gave the wrong answer:

Now use your calculator to find the mean of the data:

A) -32, -2, 20, 1, -17, -10, -9

answer: _____

Use grouping symbols (parentheses) when using a division bar. Example: $\frac{12+6}{3-1}$ would be entered like this: (12+6)/(3-1) answer: _____ Use your calculator to evaluate the expression: B) $\frac{26+9}{4^2-9}$ answer: _____ Did you get an error? Now try this example: Did it not appear the way you wanted it? TEXAS INSTRUMENTS C) $5 + \frac{8^3}{64}$ answer: _____ 5+(8^{3)÷(64)}

Hint: After entering the exponent, hit the RIGHT ARROW.

This looks much better:



D) $27[6^3 \div (2^3 + 3^2 + 7)]$ answer: _____

To find the power of a negative number, you need to use parentheses around the integer before using the exponent button.

Example:
negative four to the second power \longrightarrow $(-4)^2 = 16$
Incorrect $\longrightarrow -4^2 = 16$

Circle which of the following shows the correct method for finding c^2 when c = -14

🖓 Texas Instr	UMENTS	🐺 Texas Ir	NSTRUMENTS
(-14)2	**0 ** 196	-14 ²	-196

E) Now use your calculator to find t^3 when t = -9

F) Now use your calculator to find $5w^2$ when w = -12



Find the product:



But I don't want my answer as an improper fraction...

answer: ____

answer:

Then we can change the improper fraction to a mixed number by entering





Write the answer as a fraction or mixed number in simplest form.

G) $\frac{5}{11} + \frac{7}{9}$ H) $\frac{2}{3} - \frac{2}{5}$

Fractions to Decimals

Remember: To change a fraction to a decimal, you need to DIVIDE the *numerator* by the *denominator*.



Write the fraction or mixed number as a decimal. Use bar notation when necessary.

I)
$$11\frac{7}{11}$$
 J) $\frac{20}{3}$ K) $\frac{123}{200}$

To take the **square root** of a number, first hit the "2nd" button followed by the "x²" button. Once you see the radical sign on your screen, then enter the number.

The area of a square is 225 in². What is the length of one side?

Circle which of the following shows the correct method for finding the square root of 225:



L) The area of a square is 324 in². What is the length of one side?

		answer:
M)	The area of a square is 529 in ² . What is the length of one side?	,
		answer:
N)	The area of a square is 121 in ² . What is the perimeter of the sq	uare?
		answer:



O) I calculated the sales tax. How much money do I owe in sales tax?



P) I calculated the sales tax. How much money do I owe in sales tax?



answer: _____

Q) I calculated the sales tax. How much money do I owe in sales tax?



answer:	

R) I calculated the sales tax. How much money do I owe in sales tax?



answer: _____