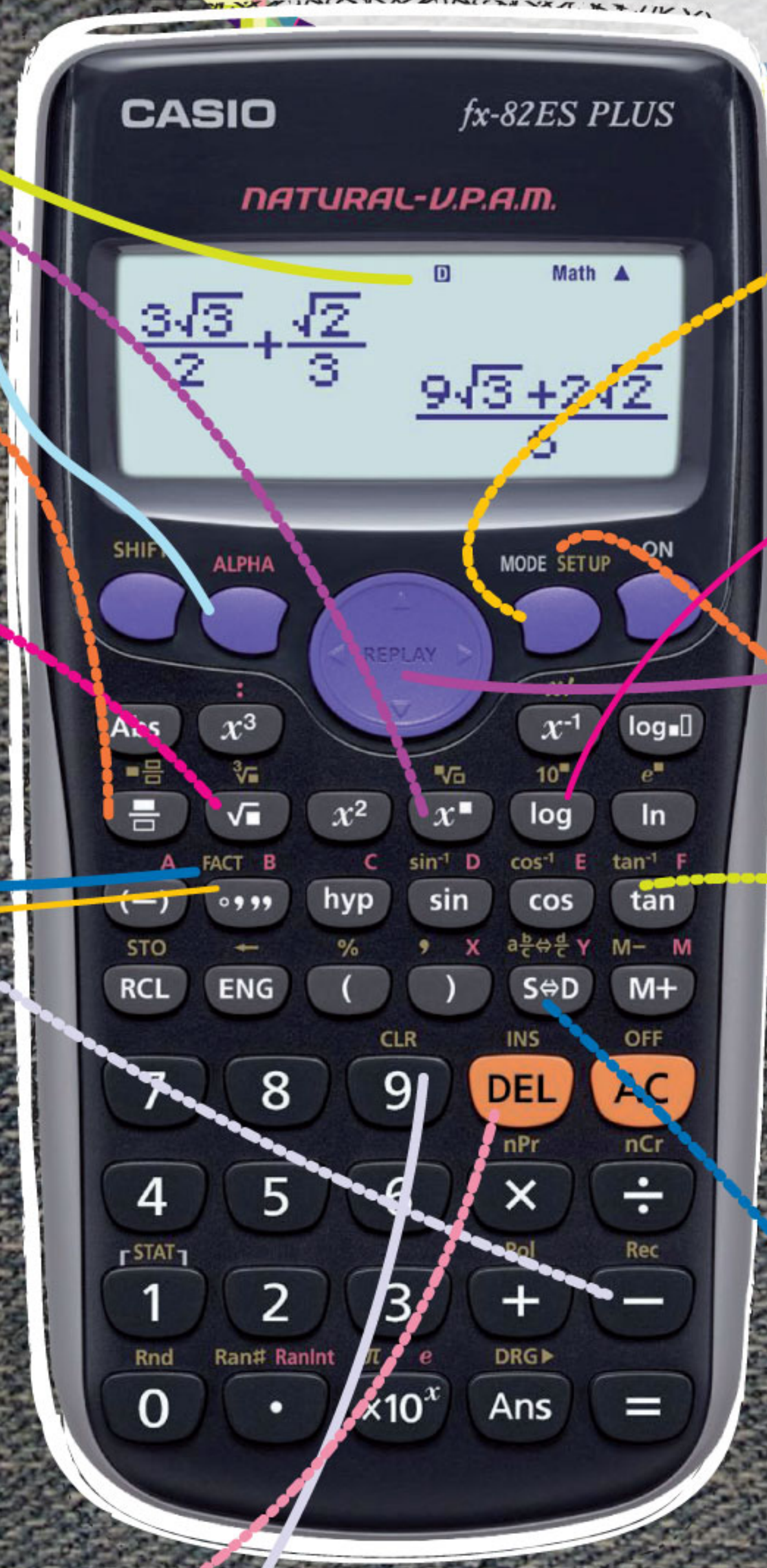


USING YOUR



>>> calculator



Shift accesses yellow functions
alpha accesses red functions

Check top of screen:
D for degrees
Math for natural display

Roots/Surds
 $\sqrt{\quad}$ square and cube roots
 $\sqrt[3]{\quad}$ higher order roots

Powers/Exponents
 x^2 to square
 x^3 to cube
 x^{\square} powers other than 2 or 3

Fraction
 $\frac{\square}{\square}$ for common/improper fractions e.g. $\frac{5}{8}$
 or **Shift** $\frac{\square}{\square}$ $(\frac{\square}{\square})$ for mixed numbers e.g. $2\frac{3}{4}$

Modes of calculator
 1. Comp → normal scientific calculator
 2. Stat → data handling and regression
 3. Table → graphs and functions

Logs
 \log_{\square} for logs with change of base e.g. $\log_2 8$
 \log for logs, base 10

Prime Factorisation
 e.g. 360 = **Shift** $\circ\circ\circ$ (FACT)
 $2^3 \times 3^2 \times 5$

Input a negative Number
 $(-)$ means negative
 $-$ means subtract, but functions as a negative too (this is your safest option to use for subtract or negative).

REPLAY
 To move cursor - watch where your calculator is typing!

Times calculations
 $\frac{\text{distance}}{\text{speed}} = \text{time}$
 e.g. $\frac{534 \text{ km}}{90 \text{ km/h}} = \frac{89}{15}$
 $\circ\circ\circ$ 5° 56' 0"

Setting up calculator
Shift mode/set up
 NB settings:
 ① maths ③ degrees
 ⑦ scientific ⑧ normal notation notation - 2
 ③ Stat - adds frequency column when working with data handling

Table Functions
 $\text{mode } 3$
 $f(x) = 4 \frac{\square}{\square} \text{alpha } (x) =$
 start? $-4 =$
 end? $4 =$
 Step? $1 =$

x	f(x)	Co-ordinates
-4	-1	(-4; -1)
-3	-1.333	
-2	-2	(-2; -2)
-1	-4	
0	error	asymptote (1; 4)
1	4	
2	2	
3	1.333	
4	1	(4; 1)

Trigonometry
 $\sin ; \cos ; \tan$
 to find ratio corresponding to given angle e.g. $\sin 60^\circ$
 $\text{Shift } \sin ; \text{Shift } \cos ; \text{Shift } \tan$
 to find angle corresponding to given ratio e.g. $\cos \theta = \frac{1}{2}$

Data Handling
 $\text{mode } 2$ (stat)
 1 (1-VAR)
 input data: \rightarrow
 3; 9; 10; 5
 $3 = 9 = 10 =$ etc
 $\text{AC } \text{Shift } 1$

Sum	Mean	Population Standard Deviation
$\Sigma x = 27$	$\bar{x} = 6,75$	$\delta x = 2,86$

Converting fractions
 $S \leftrightarrow D$ Converts common/ improper fractions to decimals
 $\text{Shift } S \leftrightarrow D$ Converts mixed numbers to fractions and decimals.

To reset Calculator
 Shift 9 (clear) 3 (all) = (yes) **AC**

To delete last character
DEL Deletes everything left of cursor.

