



1. Prime Factorisation

SHIFT - FACT

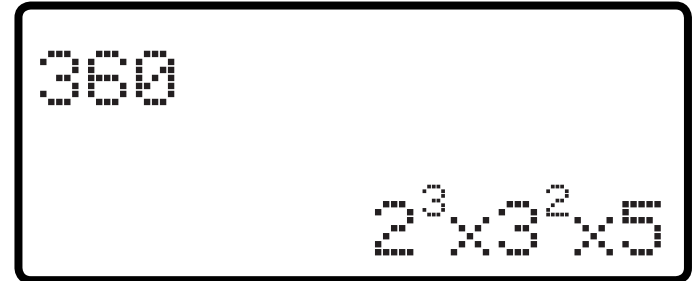
Use this to find the prime factors of a number.

Example - To find the prime factors of 360:

KEY SEQUENCE

$$360 = \text{SHIFT} \text{ } \text{FACT}$$

CALCULATOR SCREEN SHOWS



2. Using table mode

MODE 3

For most calculations, the calculator will be in Mode 1 (COMP)

Mode 3 - TABLE can be used to fill in tables, for graphs.

Please note: Ensure that you go back to MODE 1 after filling in the table

Example: Complete the table of values for

$$y = x^2 + 2x + 4$$

x	-4	-3.5	-2	-1	0	0.5	2
y							

KEY SEQUENCE

MODE 3	ALPHA)	x^2 +2 ALPHA) +4	= Start?	-4 =	End? 2 =	Step? 0.5 =	
			The prompts Start? and End? require the inputs of the smallest value in the table, and the largest (-4 and 2 in the example).				Step? requires the step-size for the values of x . CARE: Use the smallest step-size. The smallest step size in the table is $\frac{1}{2}$ so enter 0.5.

CALCULATOR SCREEN SHOWS

	x	$F(x)$
1	-4	12
2	-3.5	9.25
3	-3	7

Example - The calculator gives you all y values for steps of 0.5 in x values.

The table on the exam paper shows unequal step sizes, so you must ensure that you read the correct y values from the calculator, to match the x values on the exam paper.

x	-4	-3.5	-2	-1	0	0.5	2
y	12	9.25	4	3	4	5.25	12

3. Entering mixed numbers

Example: When calculating

$$1 \frac{1}{2} - \frac{3}{4}$$

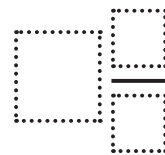
a common error is to enter 1 then press and enter ...

 $\frac{1}{2}$

Instead, key the following sequence ...

You should see three boxes on the screen



KEY SEQUENCE

$$1 \rightarrow 1 \rightarrow 2 \rightarrow - \rightarrow \frac{3}{4} 3 \rightarrow 4 =$$

CALCULATOR SCREEN SHOWS



4. Cancelling fractions - Example

Express the following fraction in its simplest form:

$$\frac{18}{27}$$

(This may be the last part of a question on the calculator paper.)

KEY SEQUENCE

 18 \rightarrow 27 = $\frac{2}{3}$

5. Are you in the correct TRIG mode for the exam?

Marks can be lost for not being in the correct trig. mode.

QUICK CHECK:

When you key in the sequence

 (30)

Do you see this?



YES - you are in the correct MODE

NO - you need to change the MODE:

To change the mode, key the following

  Option 3 \rightarrow 3:Deg

Go back and follow the instructions for checking your calculator is in the correct mode.