

There are many ways to calculate with powers, roots and fractions on ClassPad.

Three ways to evaluate 4^2 .

Three methods to calculate 4^2 are shown in the screenshot:

- Method 1: Direct input of 4^2 results in 16.
- Method 2: Inputting 4^2 with a fraction bar (likely using the $\frac{\square}{\square}$ key) results in 16.
- Method 3: Inputting 4^2 with a square root key (likely using the $\sqrt{\square}$ key) results in 16.

Two ways to evaluate 3^4 .

Two methods to calculate 3^4 are shown in the screenshot:

- Method 1: Direct input of 3^4 results in 81.
- Method 2: Inputting 3^4 with a fraction bar (likely using the $\frac{\square}{\square}$ key) results in 81.

Evaluate $\sqrt{49}$.

In the second method shown, **Line** mode has been selected.

Three methods to calculate $\sqrt{49}$ are shown in the screenshot:

- Method 1: Direct input of $\sqrt{49}$ results in 7.
- Method 2: Inputting $\sqrt{49}$ with a fraction bar (likely using the $\frac{\square}{\square}$ key) results in 7.
- Method 3: Inputting $49^{0.5}$ results in 7.
- Method 4: Inputting $49^{(1/2)}$ results in 7.

Evaluate $(-6)^2$.

Care must always be taken when raising negative numbers to a power – always wrap the number in brackets first.

Three methods to calculate $(-6)^2$ are shown in the screenshot:

- Method 1: Direct input of $(-6)^2$ results in 36.
- Method 2: Inputting -6 results in -6.
- Method 3: Inputting ans^2 with $x=-6$ results in 36.

Evaluate $3\frac{1}{2} \times 2$.

Beware mixed numbers – the addition symbol **MUST** be placed between the whole number and the fractional parts when using the 2D fraction template.

Evaluate $\sqrt[3]{216}$.

Evaluate $\frac{3}{4} + \frac{1}{6}$.

The screen shows the error if this is omitted.

The screenshot shows the calculator interface with the expression $\sqrt[3]{216}$ entered. The result is 6. Below the expression, the equivalent $216^{(1/3)}$ is also shown with the result 6. The calculator is in Standard mode.

The screenshot shows the calculator interface with the expression $3/4+1/6$ entered. The result is $\frac{11}{12}$. Below the expression, the equivalent $\frac{3}{4} + \frac{1}{6}$ is also shown with the result $\frac{11}{12}$. The calculator is in Standard mode.

The screenshot shows the calculator interface with the expression $3\frac{1}{2}$ entered. The result is $\frac{3}{2}$. Below the expression, the equivalent $3+\frac{1}{2}$ is also shown with the result $\frac{7}{2}$. At the bottom, the expression $(3+\frac{1}{2}) \times 2$ is shown with the result 7. The calculator is in Standard mode.