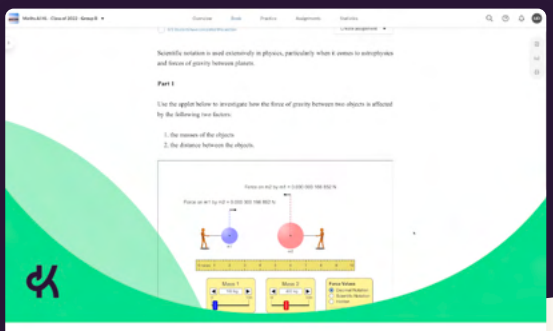
Kognity

IBDP Maths

Our IBDP Mathematics Applications & Interpretations and Analysis & Approaches subjects support the full DP syllabus for first examination from 2021.



IB DP

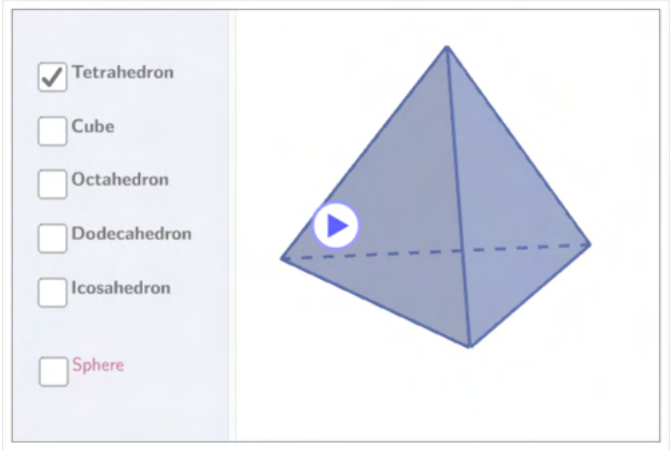
Mathematics: Applications & Interpretation

IB DP

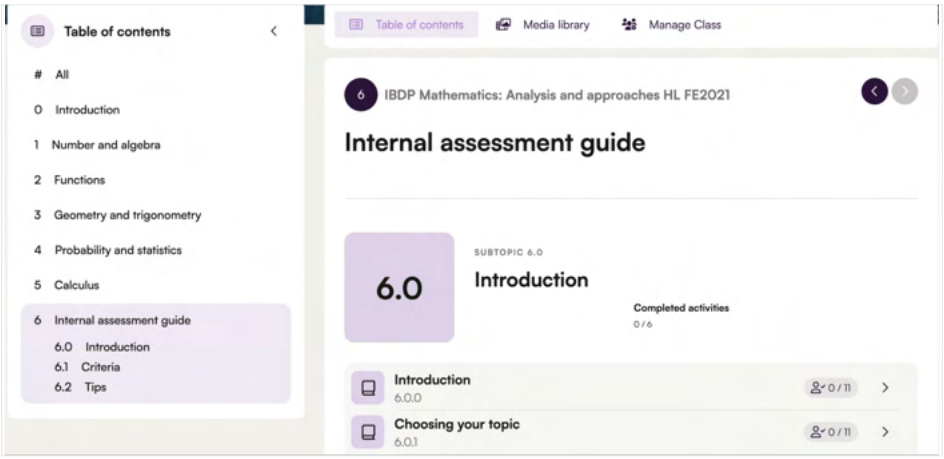
Mathematics: Analysis & Approaches

Key Features

Both of Kognity's IBDP Maths subjects allow easy integration of technology into the classroom through interactive features such as videos, calculator support and Geogebra applets. The use of these supports investigation and modelling activities.



In addition to the fully syllabus-aligned textbook, Kognity Maths includes a detailed support guide for the Internal Assessment as well as a fully-equipped practice centre.



Worked examples can be found throughout both of Kognity's Maths subjects. Useful solutions are included to make clear how mathematical theories can be solved practically.

Example 2

★★☆

Convert 0.000015 to scientific notation.

» Hide solution

$$
\begin{aligned}
0.000015 &= 0.00015 \times \frac{1}{10} \\
&= 0.0015 \times \frac{1}{10} \times \frac{1}{10} \\
&= 0.015 \times \frac{1}{10} \times \frac{1}{10} \times \frac{1}{10} \\
&= 0.15 \times \frac{1}{10} \times \frac{1}{10} \times \frac{1}{10} \times \frac{1}{10} \\
&= 1.5 \times \frac{1}{10} \times \frac{1}{10} \times \frac{1}{10} \times \frac{1}{10} \times \frac{1}{10} \\
&= 1.5 \times \frac{1}{10^5} \\
&= 1.5 \times 10^{-5}
\end{aligned}
$$

While you could keep going with this pattern, for scientific notation you should stop once $1 \leq a < 10$.

In this case, $a = 1.5$.