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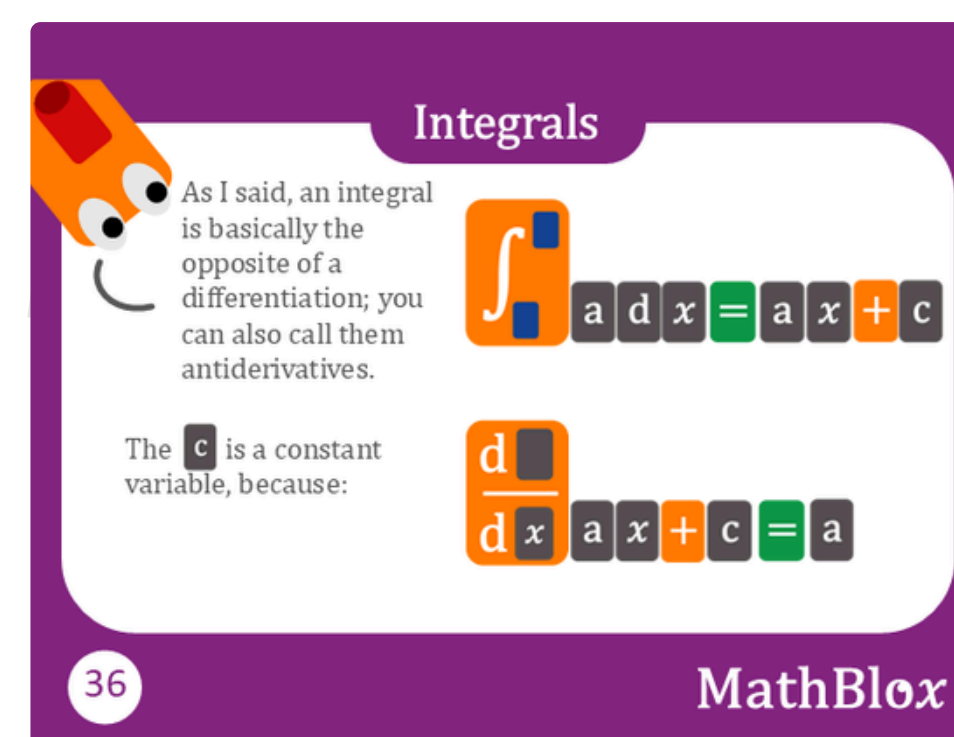
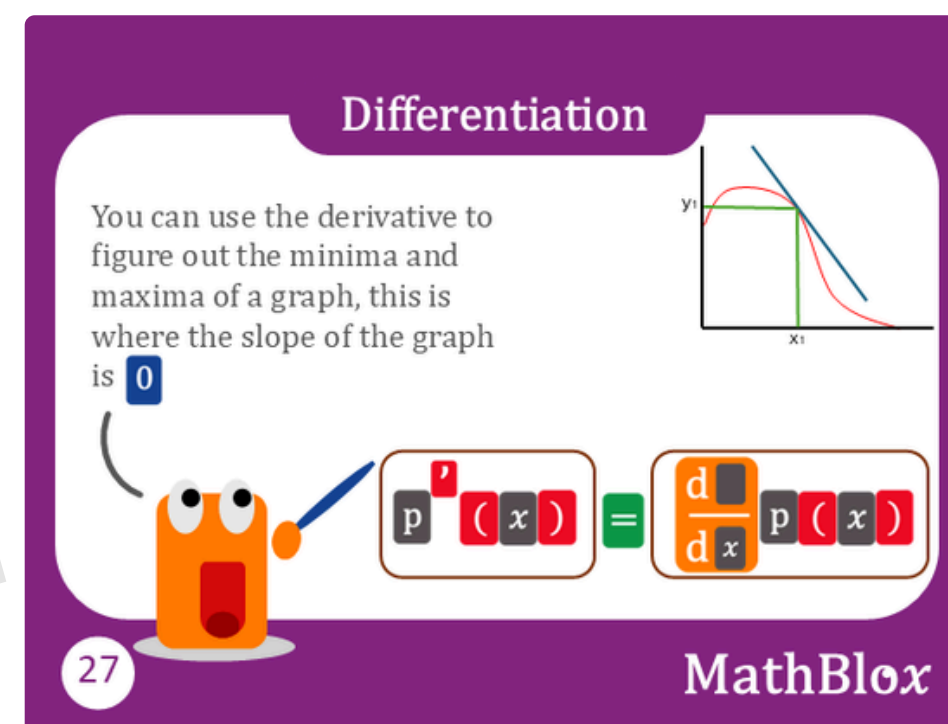
MathBlox

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Booklet

MathBlox



A mathematical learning tool, made fun!

By combining exploration with structured learning, this tool supports both mathematical understanding and communication, it encourages pattern recognition, self-correction, and logical thinking, making standard notation a natural part of problem-solving. This way, the co-designer can continue to develop mathematical skills while ensuring their ideas remain understandable to others.

Blocks



Mathematical notation is essential for clear communication and structured reasoning.

Our specific user is a highly gifted child, with strong mathematical abilities. During our meetings, they sometimes developed their own notations, which made it difficult for others to follow their reasoning. To help with this, a tool has been designed that encourages the use of standard mathematical notation while keeping learning engaging and intuitive. The tool consists of physical blocks and a booklet that provides clear explanations and examples to help understand and apply standard notation correctly.

Each block represents a specific mathematical concept or symbol, allowing the co-designer to build expressions and equations in a hands-on way.

Group 4