

ROBOTICS 4

Variables and calculations

i

BRIEFING

Lesson objective

- Learn to do mathematical calculations by programming

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Briefing: Variables and calculations

Example

- This is how EV3 can be used to calculate additions

In the upper right corner, write the names of the variables a and b

The result is displayed on the screen

Write that the value of a is 1 and the value of b is 2

The values of a and b are read into the math block



Lesson exercises: Variables and calculations

1. Try the example above with different numbers
 - How big a number does EV3 understand?
2. Try subtraction, multiplication and division
 - How much is $1 / 0$?
3. Try to do a calculation using the square root
 - What is a square root?
 - What are the square roots of 1, 4, 9, 16?
4. Let's make a calculator
 - When you press the button, the number on the display increases by one