QUIZ

Where is the least significant bit located in a binary value?

- The second to last digit.
- The digit farthest to the left.
- The middle digit.
- The digit farthest to the right.

Correct! The digit farthest to the right is the least significant bit because it holds the smallest value in the bit.

Fill in the blanks to complete the solution for the equation `1100100 - 101`.

1 0 1 1 1 1 1

You got it!

Which option shows the binary solution to the equation `1100100 / 101`

- `10101`
- `10100`

Correct! In decimal form, the equation is `100 / 5` which equals `20`.

- `20`
- `1111`

What is the result when the binary values `100` and `111` are multiplied?

`10101`

`10111`

`11111`

`11100`

Correct! In decimal form, this equation is `4 * 7` which equals `28`. In binary, `28` is represented as `11100`.

Which of the following options shows a binary number?

`10014`

`100000910`

`11011`

Correct! Binary numbers are expressed using a base of two.

`4`

Which of the following options is not an example of binary data?

`A`, `B`, or `C`

Correct! Binary data can be represented by only two values.

`0` or `1`

`True` or `False`

`On` or `Off`

How is the decimal value `9` represented in binary?

`100000000`

`9`

`1001`

Correct!

`1000`

Fill in the blanks to complete the sum of the binary values `10` and `11`.

`1` `0` `1`

You got it!