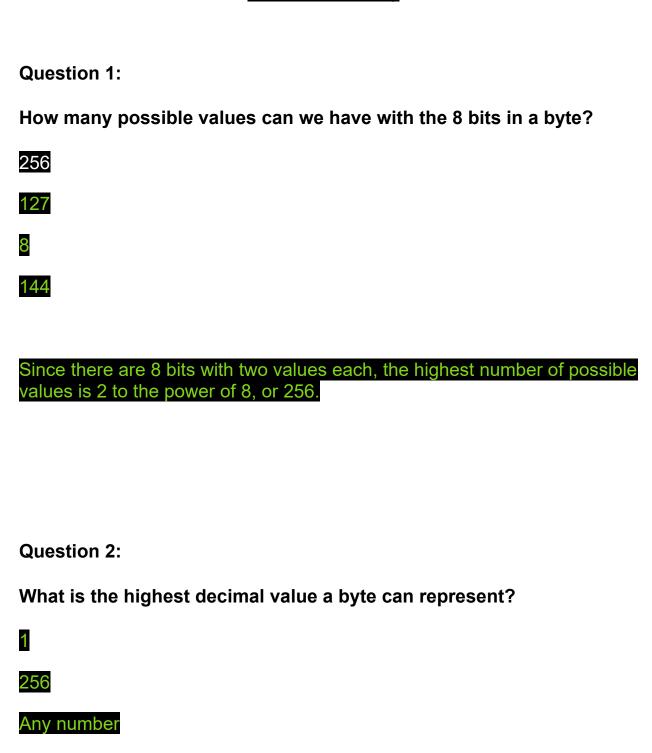
Google IT Support Certificate: Course 1: Technical Support Fundamentals

Week 1: Introduction to IT

Practice Quiz - Binary



There are 256 values in a byte, from the decimal number 0 to 255, which is the highest value since the count starts at 0.

Question 3:

Why did UTF-8 replace the ASCII character-encoding standard?

UTF-8 can store a character in more than one byte.

UTF-8 only uses 128 values.

ASCII can store emojis.

ASCII can store a character in more than one byte.

UTF-8 replaced the ASCII character-encoding standard because it can store a character in more than a single byte.

Question 4:

What is 10101010 in decimal format? Please use this Binary Table to find the answer.

126	64	32	16	8	4	2	1
1	0	1	0	1	0	1	0

128 + 32 + 8 + 2 = 170

128, 32, 8, and 2 are on, so the equation is 128+32+8+2, which equals 170.

- 160
- 170
- 200
- 48

Question 5:

What is 45 in binary form? Please use this Binary Table to find the answer.

126	64	32	16	8	4	2	1
0	0	1	0	1	1	0	1

$$32 + 8 + 4 + 1 = 45$$

32, 8, 4, and 1 are on, and they add up to 45.