## Ethereum Blockchain - Week 2

Quiz, 9 questions

## **✓** Congratulations! You passed!

Next Item



1. Inspect and explore block #4390176 using this link to solve the below question.

1/1 point

What is the previous block hash of block #4390176 in Ethereum Blockchain? Provide the answer in the box below.

0xc253f0917b33b2947b4d9cdb7ad656c

**Correct Response** 

Correct!



2. Inspect and explore block #4390176 using this link to solve the below question.

1/1 point

What is the total difficulty for block #4390176 in Ethereum Blockchain? Provide the answer in the box below.

1226797074502984598563

**Correct Response** 

Correct!



0/1 point Inspect and explore the transaction with the hash

"0x5edb69874d0900d8857468fbe53715cc1a581 37709b8b70e46299bf10983dc09" using <u>this</u> <u>link</u>.

Approximately, how many Ethers are transferred in this transaction?

	4434720	ethers
--	---------	--------

913.268	ethers



## This should not be selected

Incorrect. Please visit the link again and verify the value.





1/1

point

4. Inspect and explore the transaction with the hash

"0x5edb69874d0900d8857468fbe53715cc1a581 37709b8b70e46299bf10983dc09" using <u>this</u> link.

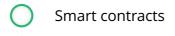
What is the address of the sender in this transaction? Provide the answer below in the textbox.

0xf9fba58d8345bd3100c5adf3b8b51938

**Correct Response** 

Correct!

<b>~</b>	5.	Which of the following is true about an externally owned account (EOA) in Ethereum Homestead?	
1/1 point		EOAs execute code when triggered by a transaction.	
		EOAs can send transactions (ether transfer or invoke a contract code)	
		Correct	
	Correct Correct!		
		EOAs have associated code with them.	
<b>~</b>	6.	External Owned Accounts (EOA) are controlled by	
		·	
1 / 1 point		Private Key	
		Correct!	
		Hash of the first transaction by that account	
		Public Key	
		Public Key and Private Key	
<b>~</b>	7.	What is the differentiating factor between the Ethereum Blockchain and the Bitcoin blockchain?	
1 / 1 point		Currency Exchange	
		Distributed ledger	



Correct

Correct!

Wallets



8. Calculate the amount of gas points required to execute an operation that involves 2 steps and 1 load from memory. Use the following image.

1/1 point

Operation name	Gas Cost
Step	1
Load from memory	20
Store into memory	100
Transaction base fee	21000
Contract creation	53000

	12
	42

1		
		22
(	)	23
1		

Correct

Correct!



9. What is the correct sequence involved in a block creation:

1/1 point

- 1. Transactions validated
- 2. Transactions Bundled & broadcasted
- 3. Transaction initiated
- 4. Block added to the local chain and propagated to the network.
- 5. Proof of work consensus problem solved

5,3,1,2,4

3,1,2,5,4

## Correct

Correct!

1,2,3,4,5

3,2,1,4,5





