Congratulations! You passed!

Grade received 100% To pass 80% or higher

Go to next item

Ethereum Blockchain - Week 2

Latest Submission Grade 100%

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.

0xc253f0917b33b2947b4d9cdb7ad656cc0233ef1781984384284f3a91810a8a36

Correct
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.

1,226,797,074,502,984,598,563

Correct
Correct!

3. **Inspect and explore the transaction with the hash "0x5edb69874d0900d8857468fbe53715cc1a58137709b8b70e46299bf10983dc09" using this link.** 1 / 1 point

Approximately, how many Ethers are transferred in this transaction?

- ○ 21000 ethers
- ◉ 913.268 ethers
- ○ 4434720 ethers
- ○ 0.00042 ethers

Correct
Correct!

4. **Inspect and explore the transaction with the hash "0x5edb69874d0900d8857468fbe53715cc1a58137709b8b70e46299bf10983dc09" using this link.** 1 / 1 point

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

0xf9fba58d8345bd3100c5adf3b8b51938e5da0a9d

Correct
Correct!

5. Which of the following is true about an externally owned account (EOA) in Ethereum Homestead? 1 / 1 point

- ○ EOAs have associated code with them.
- ○ EOAs execute code when triggered by a transaction.
- ◉ EOAs can send transactions (ether transfer or invoke a contract code)

Correct
Correct!

6. External Owned
Accounts (EOA) are controlled by ___. 1 / 1 point

- ◉ Private Key

Private Key

Public Key and Private Key

Public Key

Hash of the first transaction by that account

Correct
Correct!

7. What is the differentiating factor between the Ethereum Blockchain and the Bitcoin blockchain? 1 / 1 point

Currency Exchange

Distributed ledger

Wallets

Smart contracts

Correct
Correct!

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
...	...

42

1

23

22

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

3,2,1,4,5

1,2,3,4,5

5,3,1,2,4

3,1,2,5,4

Correct
Correct!