

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?

- ☒ 913.268 ethers
☐ 4434720 ethers
☐ 0.00042 ethers
☐ 21000 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 execute code when triggered by a transaction.
- ☐ EOAs have associated code with them.
- ☒ EOAs can send transactions (ether transfer or invoke a contract code)

✓ **Correct**
Correct!

6. External Owned Accounts (EOA) are controlled by ____.

1 / 1 point

- ☐ Public Key
- ☒ Private Key
- ☐ Public Key and Private 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

- ☐ Wallets
- ☒ Smart contracts
- ☐ Currency Exchange
- ☐ Distributed ledger

✓ **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
...	...

- ☐ 1
- ☐ 42
- ☒ 22
- ☐ 23



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
- ☐ 1,2,3,4,5
- ☐ 3,2,1,4,5



Correct

Correct!