Congratulations! You passed!

Grade received 100% **To pass** 100% or higher

Go to next item

1. How does blockchain achieve the principle of *networked integrity*? **1 / 1 point**

- [x] Trust is distributed across the network, not vested in any single member

  Correct
  Integrity is distributed among all network participants.

- [x] Integrity is coded into the consensus mechanisms and incentive structures of the blockchain protocol

  Correct
  The four values of integrity (honesty, consideration, accountability, and transparency) are coded into the decision rights, incentive structures, and operations of the blockchain.

- [x] Blockchain makes it costly (e.g. in time, money, energy, reputation) to act without integrity

  Correct
  On the blockchain, cheaters never prosper.

- [ ] Trusted third parties record transactions and do everything behind the scenes to ensure the network achieves integrity.

2. What role do *consensus mechanisms* play in achieving networked integrity? **1 / 1 point**

- ( ) Consensus mechanisms do not play a role in achieving networked integrity
- (•) Consensus mechanisms solve the double-spend problem without the need for a trusted third party
- ( ) Consensus mechanisms prevent network participants from engaging in any kind of fraudulent activity
- ( ) Consensus mechanisms verify the real-world identities of miners to ensure they are trustworthy

Correct
Consensus mechanisms, such as proof-of-work or proof-of-stake, ensure the integrity of the blockchain without trusted third parties.