

**Started on** Wednesday, 15 October 2025, 9:01 AM

**State** Finished

**Completed on** Wednesday, 15 October 2025, 9:05 AM

**Time taken** 4 mins 27 secs

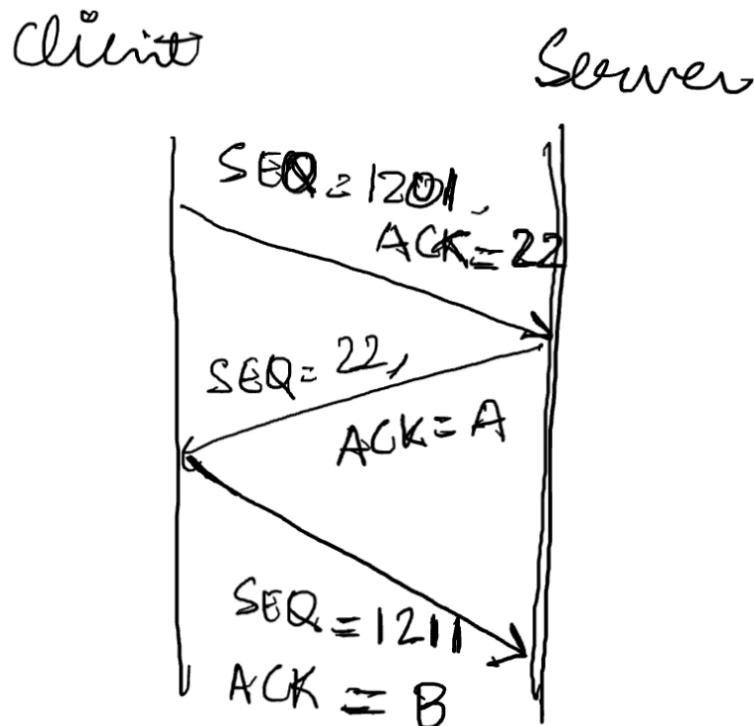
**Grade** 2.00 out of 10.00 (20%)

**Question 1**

Incorrect

Mark 0.00 out of  
2.00

Consider a TCP connection below. Assuming that the server sent a 100 byte segment, what is the value of A+B?



Answer: 1223



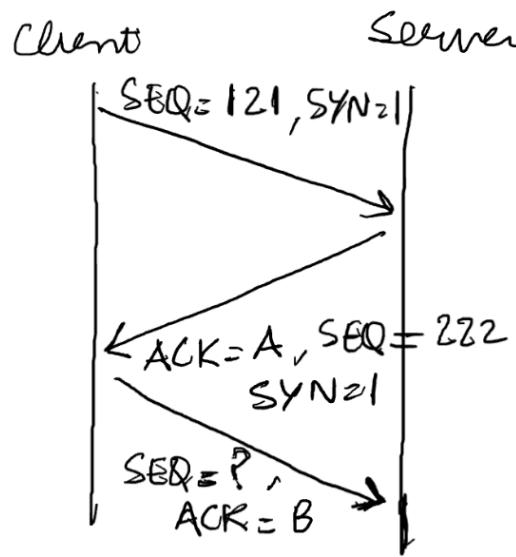
The correct answer is: 1333

**Question 2**

Incorrect

Mark 0.00 out of  
2.00

Consider the following TCP handshake. A and B are the acknowledgement numbers.



What is the value of A+B?

Answer:  X

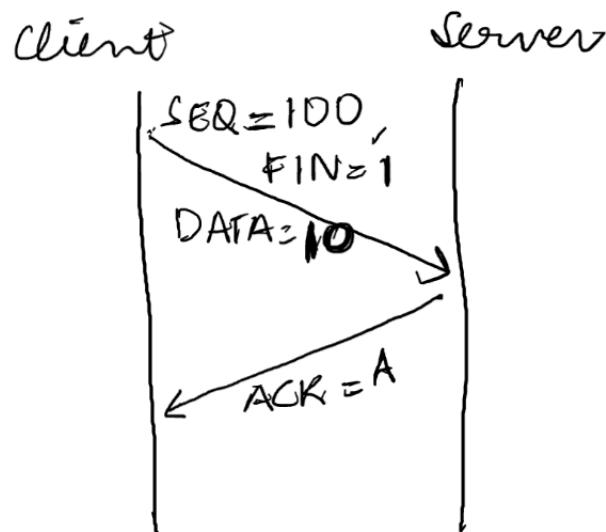
The correct answer is: 345

**Question 3**

Incorrect

Mark 0.00 out of  
2.00

What is the value of A assuming a 10-byte packet with FIN bit set was sent?



Select one or more:

- a. 112
- b. 109
- c. 111
- d. 110 X

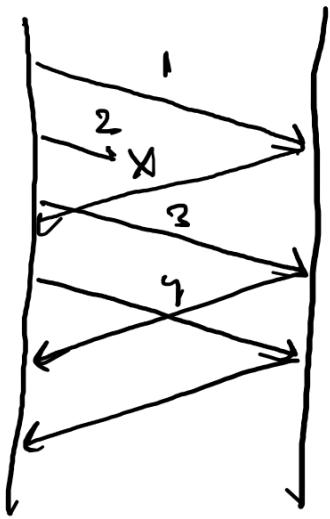
The correct answer is: 111

**Question 4**

Correct

Mark 2.00 out of  
2.00

Consider the following scenario and the two reliability protocols, Go-Back-N (GBN) and Selective Repeat:



What could happen next in each protocol?

Select one or more:

- a. Both GBN and SR retransmit packets 2, 3, and 4.
- b. Both GBN and SR retransmit only packet 2.
- c.
- d. GBN retransmits packets 2, 3, and 4, but SR retransmits only packet 2. ✓

The correct answer is: GBN retransmits packets 2, 3, and 4, but SR retransmits only packet 2.

**Question 5**

Incorrect

Mark 0.00 out of  
2.00

Select the statements that are correct

Select one or more:

 a.

In Go-Back-N, the receiver buffers out-of-order packets

 b.

TCP measures timeout based on the RTT of last N ACKs

 c.

In Selective Repeat, the sender maintains a separate timer for each unacked packet

 d.

If RTT variance increases, TCP timeout value also increases

The correct answers are:

In Selective Repeat, the sender maintains a separate timer for each unacked packet



If RTT variance increases, TCP timeout value also increases

◀ Quiz5

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Quiz7 ►