

Answers to Exercise 4: TCP and UDP

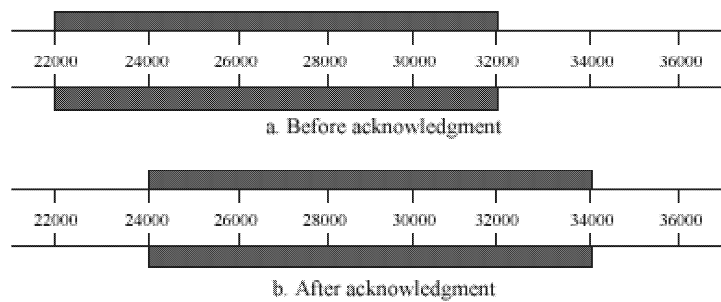
Data Communication

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HT 2009

1. The sequence and acknowledgement numbers refer to bytes.

2.



3. $\frac{2}{3}$

4. a) 0.36

b) 0.25

5. $\frac{4}{9}$

6. a) 0.29

b) 0.21

7. UDP is used in multimedia and multicast applications. TCP should be chosen for FTP and Telnet.

8. a) 1586

b) 13

c) 28 B

d) 20 B

e) Client -> server

9.
 - a) 0x0532
 - b) 0x0017
 - c) 0x00000001
 - d) 0x00000000
 - e) 0x5
 - f) SYN
 - g) 0x07FF

10.

