



Answers to Chapter 2 questions

Activity 2.1

- a** data sent one bit at a time over a single wire/channel in both directions but not at the same time
- b** several bits of data sent down several wires/channels in both directions at the same time
- c** data sent one bit at a time over a single wire/channel in one direction only

Activity 2.2

- a** parity bit = 1
- b** parity bit = 0
- c** parity bit = 1
- d** parity bit = 1
- e** parity bit = 0

Activity 2.3

- a** OK
- b** error following transmission
- c** error following transmission
- d** OK
- e** error following transmission

Activity 2.4

Byte 4 row and bit 6 column show error (incorrect parity)

Bit value '0' at intersection of row 4 and column 6 is in error

Byte should be: 0 1 1 0 1 1 1 0

Activity 2.5

- a** 148
- b** 137
- c** 170
- d** 255