

2 Checking for errors – Part 2 — Answers

Answers

Work through these after trying the questions yourself.

2.6 Data can be corrupted (changed) as it travels, so we check that it is still correct.

2.7 An extra bit added to make the number of 1s even (or odd).

2.8 1 (to make the total number of 1s even — four).

2.9 Half-duplex.

2.10 Full-duplex.

2.11 The data 1011010 already has **four** 1s (an even number), so for even parity the parity bit is **0**. The 8-bit code sent is **10110100**.