

Support Worksheet – Topic 8, Worksheet 1

- 1 Convert the decimal number 15 into a binary number. [1]
- 2 Convert the binary number 0101 into a decimal number. [1]
- 3 State the difference between an analogue and a digital signal. [1]
- 4 Define **magnification** in a CCD. [1]
- 5 Define **quantum efficiency** of a CCD. [1]
- 6 State the condition for two points on an object to be resolved by a CCD. [1]
- 7 State two advantages of images on a CCD compared to images on photographic film. [2]