

Year 11 Physics 2021

Worksheet 8

Write the answers in your Exercise Book.

- A desktop has an area of 160 cm^2 . The area of the desktop in m^2 is
 - 0.0016 m^2
 - 0.016 m^2
 - 1.6 m^2
 - 16000 m^2

(1 mark)
- A ball is projected vertically upwards from the ground level at $v \text{ m/s}$ and takes 4 seconds to reach maximum height. Ignoring air resistance, calculate the:
 - total time of flight. **(1 mark)**
 - initial velocity, v , with which the ball was thrown upwards. **(1 mark)**
- State the SI **unit** used to measure the following quantities:
 - Time **(1 mark)**
 - Mass **(1 mark)**
 - Distance **(1 mark)**
 - Temperature **(1 mark)**
- The measurements given below were taken during an experiment.
$$x = 20.8 \text{ cm}$$
$$y = 25.81 \text{ cm}$$

Calculate the following, expressing the answer to correct number of decimal places or significant figures.

 - $x + y$ **(1 mark)**
 - $x y$ **(1 mark)**