



SPTA

N5 Homework

Scientific Notation (A)



Show all working –Calculator required.

Marks

1. Each oil container holds 4.80×10^8 litres of fuel.

How many litres are there altogether in 12 full oil containers?

Give your answer in scientific notation

(2)

2. A newspaper report stated that “Concorde has now flown 7.1×10^7 miles.

This is the equivalent to 300 journeys from the Earth to the moon”.

Calculate the distance from the Earth to the Moon.

Give your answer in scientific notation correct to 2 significant figures.

(3)

3. The planet Mars is at a distance of 2.3×10^8 kilometres from the sun.

The speed of light is 3.0×10^5 kilometres per second.

How long does it take light to reach the sun? Give your answer to the nearest minute.

(3)

4. The orbit of a planet around a star is circular. The radius of the orbit is 4.96×10^7 kilometres.

Calculate the circumference of the orbit. Give your answer in scientific notation

(2)

Total Marks: 10