National 5 Maths SQA 2021 Paper 2 Question 2



Light travels at 3×10^8 metres per second.

A star is $4 \cdot 2 \times 10^{17}$ metres away from Earth.

Calculate the number of seconds it takes for light from this star to reach Earth.

Give your answer in scientific notation.

Answer:

 1.4×10^9 seconds