**Calculating in Standard Form**

Without using a calculator, work out the following, giving your answer in standard form.

(a)

(b)

(c)

(d)

(e)

(f)

(g)

(h)

Using a calculator, work out the following, giving your answer in standard form.

(a)

(b)

(c)

(d)

(e)

(f)

(a) Given that , find when and .

(b) Denmark has a population of and Jamaica has a population of . How many more people live in Denmark than in Jamaica?

(a) The mass of Saturn is tonnes and the mass of the Earth is tonnes. How many times heavier is Saturn than Earth?

(b) In 2009 the world population was . In 2019 it was Calculate the percentage increase in population between 2009 and 2019.

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