

Standard form – 2020 O Level Math D

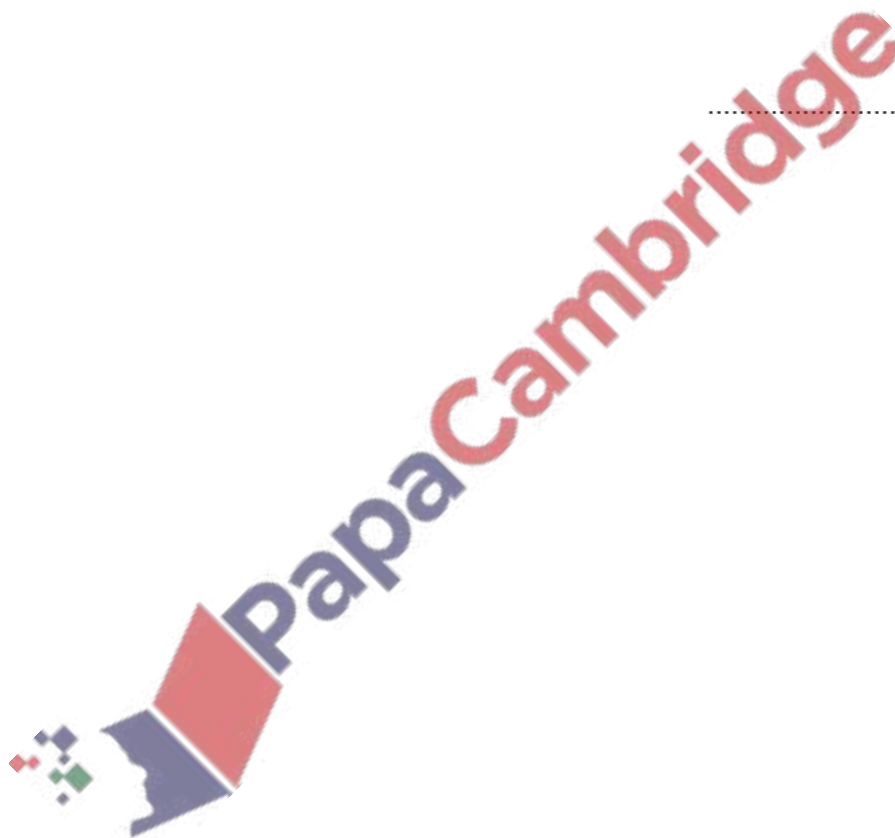
1. **Nov/2020/Paper_11/No.9**

(a) Express 0.043×100^2 in standard form.

..... [1]

(b) Evaluate $\frac{1.2 \times 10^7}{2 \times 10^{-3}}$, giving your answer in standard form.

..... [2]



(a) Express 340 000 in standard form.

..... [1]

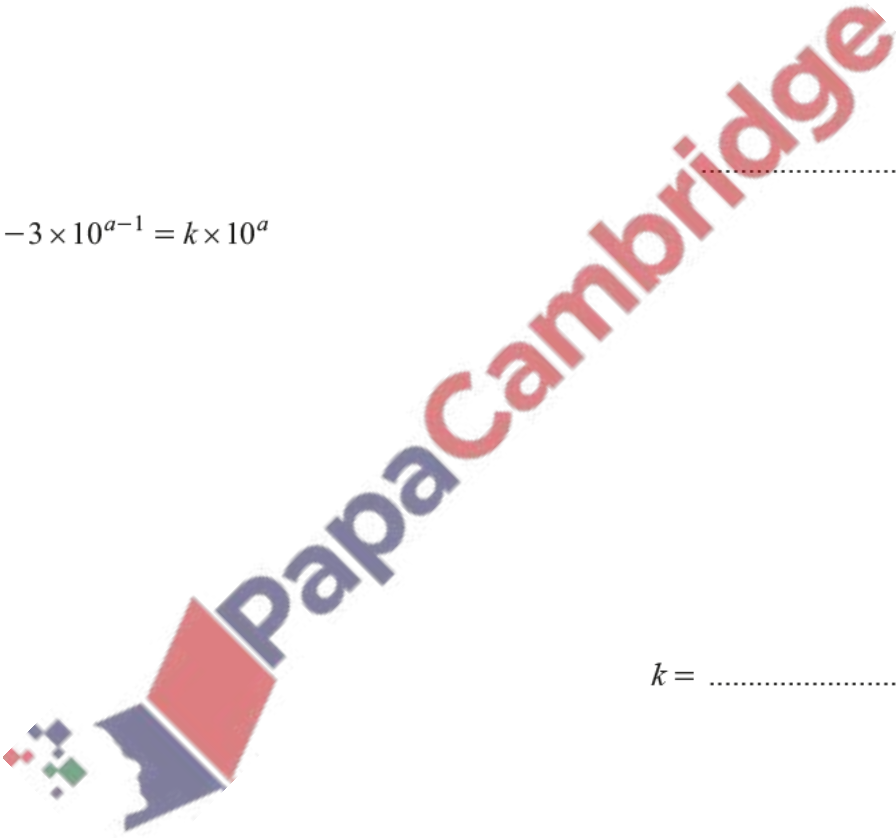
(b) Evaluate $\frac{4 \times 10^7}{8 \times 10^{21}}$, giving your answer in standard form.

..... [2]

(c) $7 \times 10^a - 3 \times 10^{a-1} = k \times 10^a$

Find k .

$k =$ [1]



3. June/2020/Paper_12/No.14

(a) In 2017, the population of Egypt was 97 500 000.

Write this population in standard form.

..... [1]

(b) The population density of a country is the number of people per square kilometre.

In 2017, the population of Indonesia was 2.62×10^8 , correct to 3 significant figures.

The area of Indonesia is $2 \times 10^6 \text{ km}^2$, correct to 1 significant figure.

Calculate an estimate for the population density of Indonesia.

..... people/ km^2 [2]

