

AS & A level Revision-Mathematical skills

Practising your basic Maths skills % (AS June 2018)

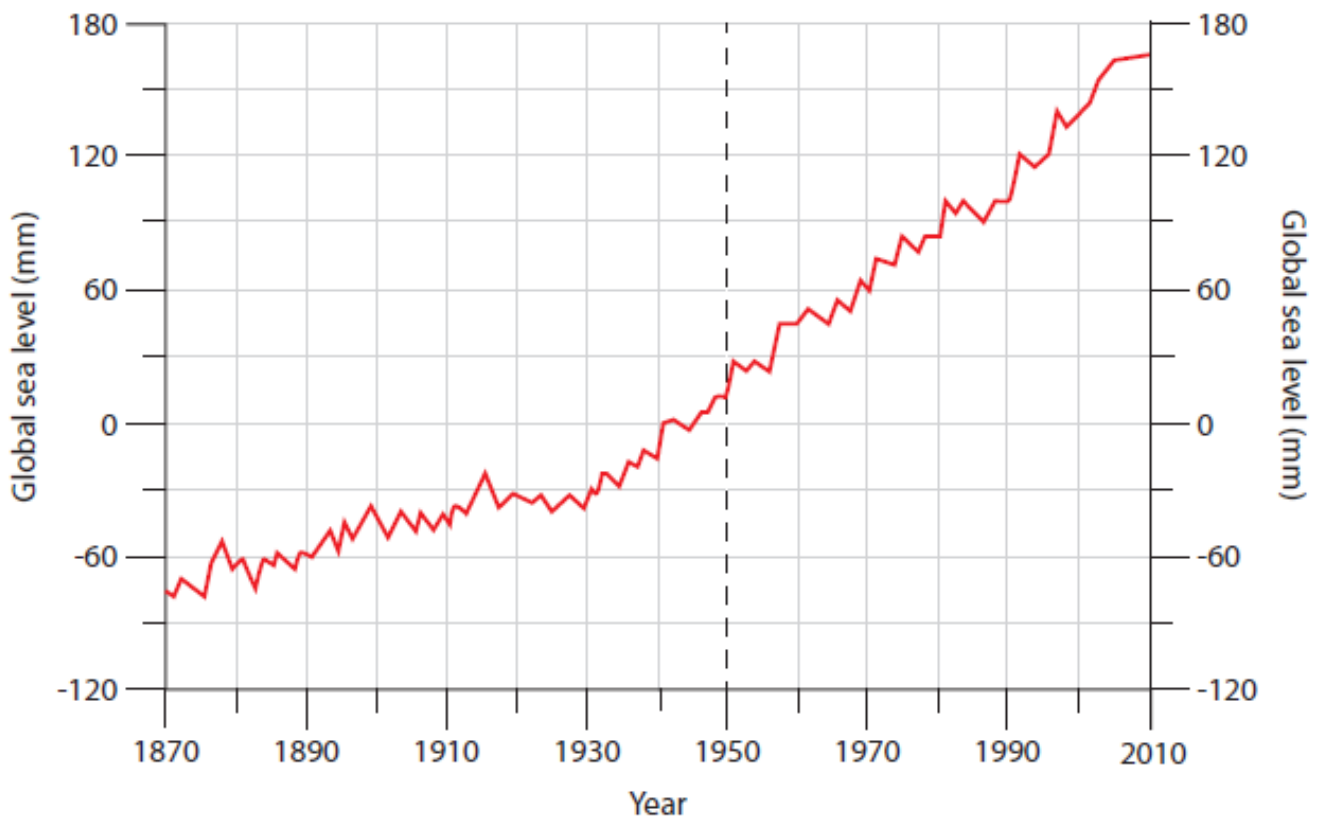


Figure 5

Global sea level changes before and after 1950

(b) Study Figure 5 in the Resource Booklet, which shows global sea level changes before and after 1950.

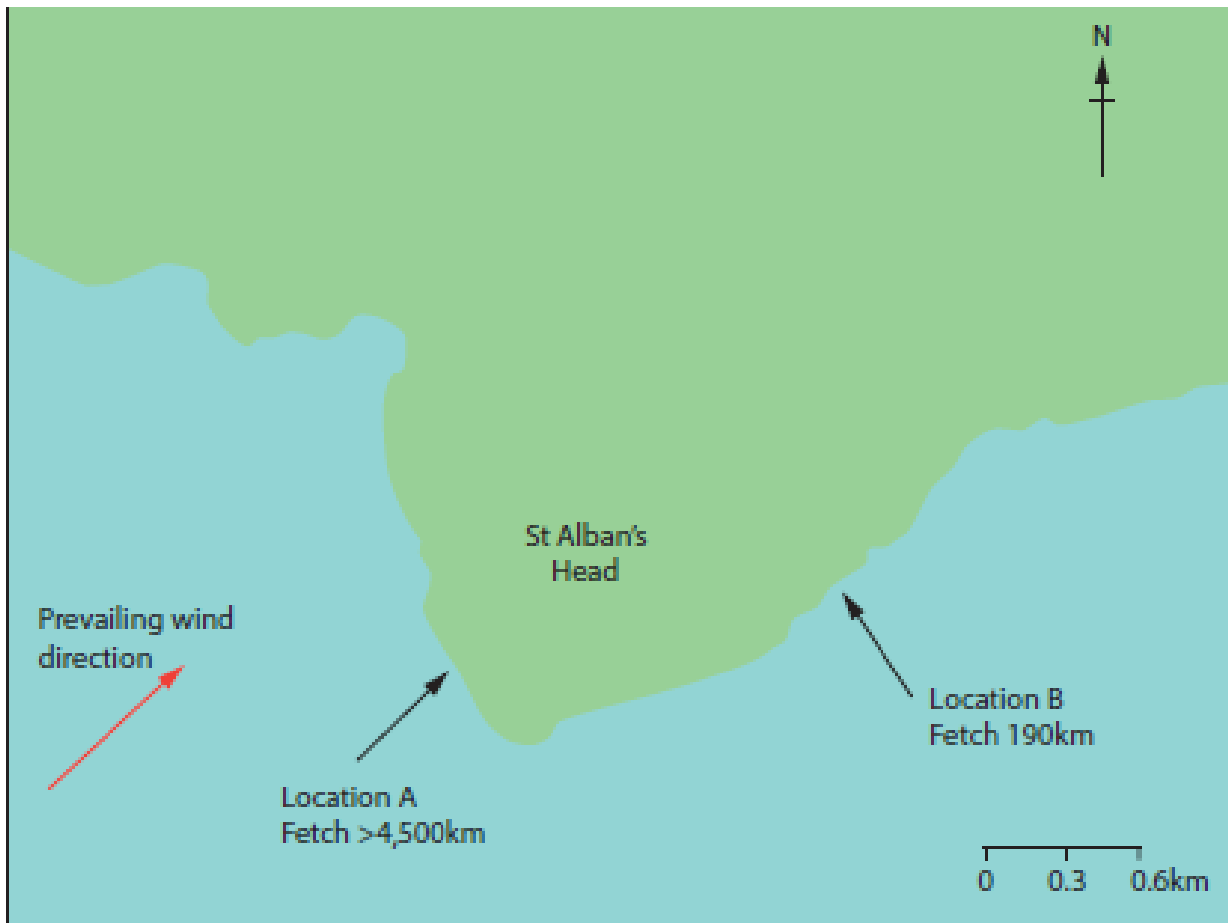
(i) Calculate the percentage sea level change between 1950 and 2010.

Show your working.

(2)

%

Practising your basic Maths skills average frequency (AS June 2017)



Location A (Waves per minute)	Location B (Waves per minute)
16	7
18	8
19	7
17	9
15	6
14	8
15	9

Figure 5

Wave frequency data from two locations on the same day at St Alban's Head, Dorset (southern England)

(b) (i) Study Figure 5 in the Resource Booklet, which shows sets of wave frequency data for two locations in Dorset.

Calculate the average wave frequency at each location.

Give your answer to the nearest whole number.

(2)

Location A waves/minute

Location B waves/minute

(ii) Suggest **one** reason why the wave frequency at the two locations differ.

(3)

.....
.....
.....

Practising your basic Maths skills using map scales (AS spec. paper)

Study Figure 5 in the Resource Booklet.

Calculate the difference in shoreline retreat between transects A–B and C–D.

You must show your workings in the space below.

(2)

Km

(iii) Suggest **one** eustatic factor that might have influenced the changes shown in Figure 5.

(3)

.....
.....
.....

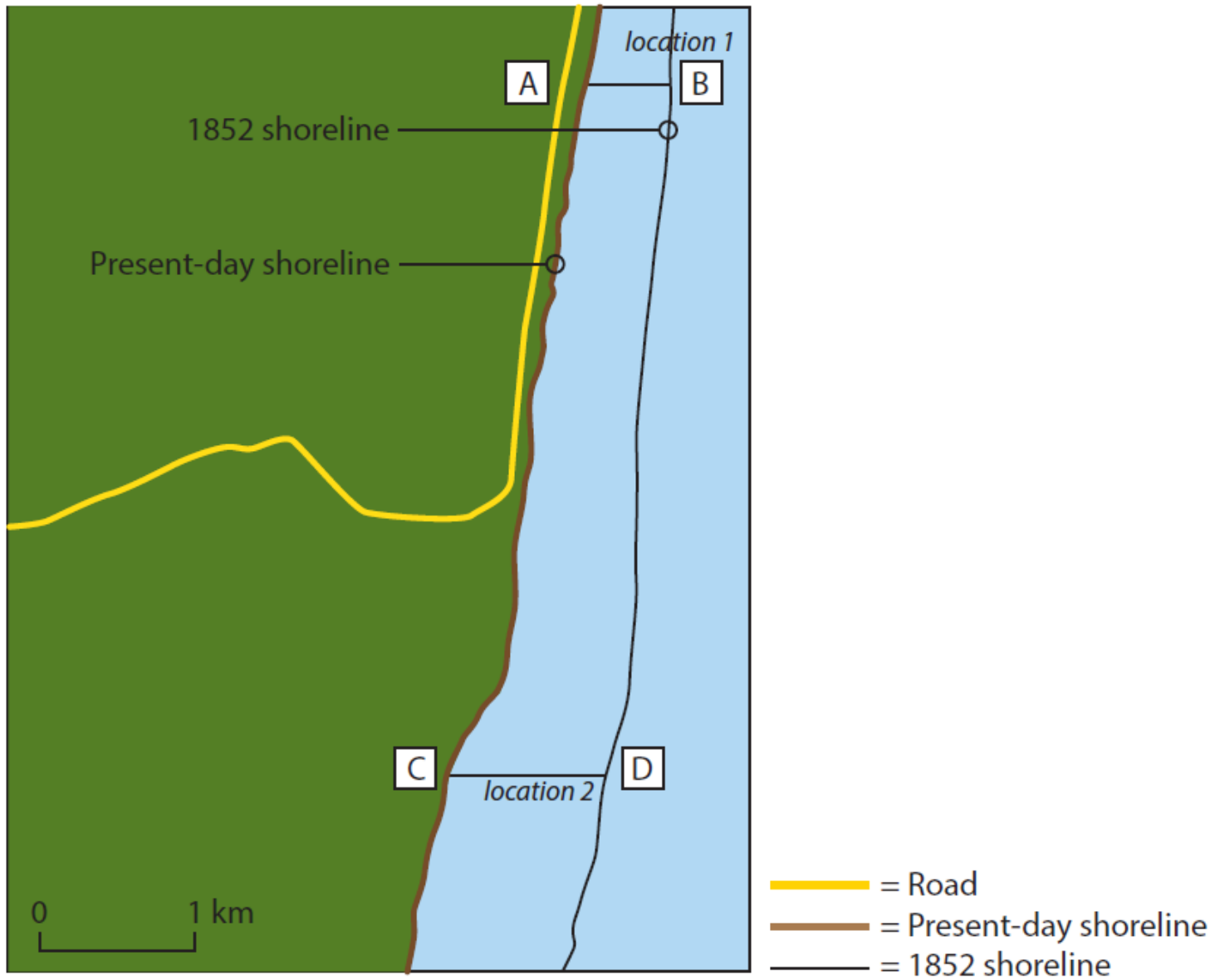


Figure 5

Shoreline change at Cape Hatteras, USA

Practising your basic Maths skills % and ratios (A level spec. paper 3)

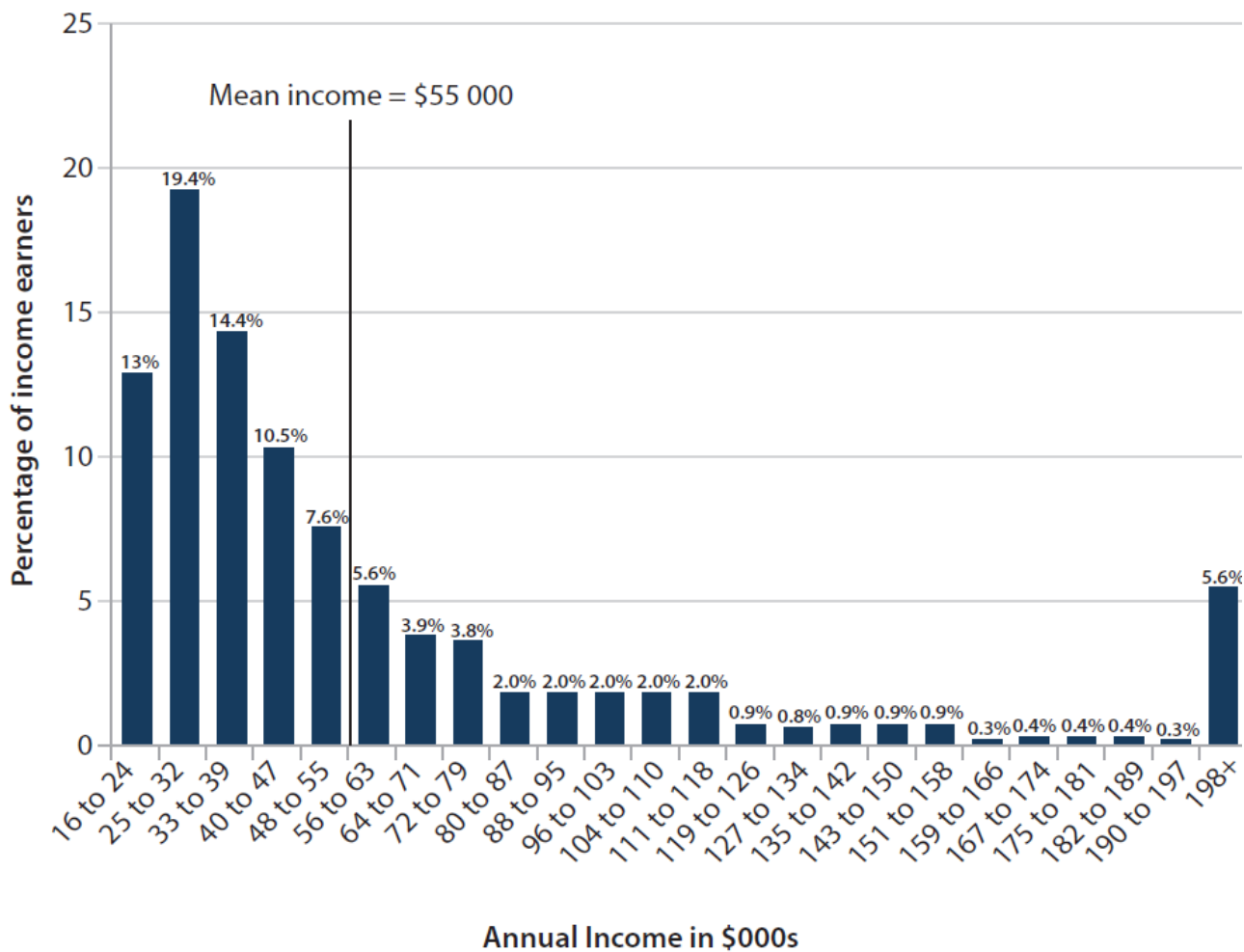


Figure 2: The income distribution in Singapore for 2013

- (i) Using the data in Figure 2, calculate the percentage of income earners who earn less than the GDP per capita in Singapore.

You must show your working.

(2)

.....%

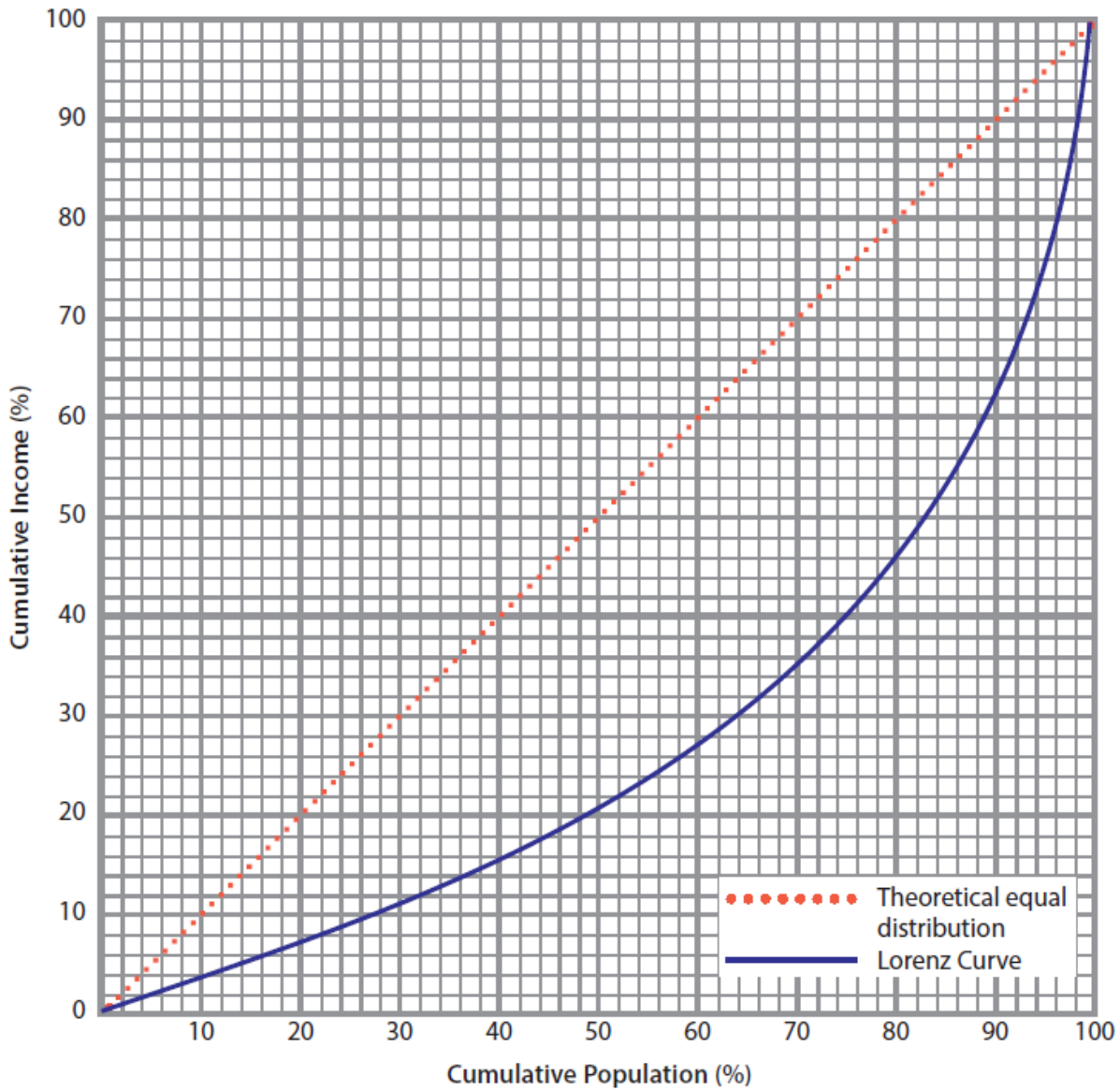


Figure 3: A Lorenz curve showing the income inequality in Singapore for 2013

(ii) Using Figure 3, calculate the ratio of the earnings of the top 20% of income earners with the earnings of the bottom 20%.

You must show your working.

(2)

Ratio=..... :1