

Limits of accuracy – 2021 O Level Math D

1. Nov/2021/Paper_21/No.10a

- (a) A cuboid measures 6.2 cm by 4.8 cm by 2.5 cm.
Each measurement is given correct to the nearest millimetre.

Calculate the upper bound of the surface area of the cuboid.

..... cm² [3]

2. June/2021/Paper_11/No.22

A car has a mass of 2400kg, correct to the nearest hundred kilograms.

A caravan has a mass of 1460kg, correct to the nearest ten kilograms.

Calculate the lower bound for the total mass of the car and caravan.

..... kg [2]

3. June/2021/Paper_12/No.14

- (a) The length of a path is measured as 62 m, correct to the nearest metre.

Write down the upper bound for the length of the path.

..... m [1]

- (b) The mass of a bag of peanuts is 80 g, correct to the nearest 10 grams.

Calculate the lower bound for the mass of 5 of these bags of peanuts.

..... g [2]