TMA 01

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Question 1

(a)

1. Incorrect use of equals sign. In the answer given it is used to link parts of the solution together, for example: "*207 = 207/48*" but this is not true mathematically.
2. No usage of link words
3. Does not include the units of measurement.

(b)

Since we know that 48 stacked buses is equivalent to 207m, to find the size of 1 bus,
we divide 207 by 48: $\frac{207m}{48} = 4.3125$ m
we then round to 1 decimal place
$4.3125\ m = \ 4.3\ m\ (to\ 1\ d.p.)$

Based on this working we know:

$Bus\ Height\ = \ 4.3\ m$

Question 2

(a)

We want to find the amount of cream cheese needed for 6 people, we know that for 10 people you need 565 g of cream cheese. We will find the amount needed for 1 person by dividing 565 g by 10

$\frac{565}{10} = 56.5\ g$

We then multiply the result by 6, since we need to find the amount for 6 people.

$56.5\ g\ \cdot 6\ = 339\ g$

We know that 339 g is the amount of cream cheese needed for 6 people.