2. A whole number, n, is rounded off to one significant figure to give 400.

Write down

(a) the smallest whole number that n could be, [1]

(b) the largest whole number that n could be. [1]

2. Express this ratio in simplest form.

600 mg : 6 g [2]

Original Ratio =

Reduced Ratio =

2. Eric buys three cracked conch snacks at $14.50 each and two conch salads at $12 each.

(a) Calculate the total cost. [3]

Total Cost of Snacks = $

Total Cost of Salads = $

Total Cost of Food = $

VAT at 12% is added to the total.

(b) Calculate the amount due for VAT. [2]

(c) Calculate Eric's total bill. [1]

Eric pays with two $50 notes.

(d) How much change did he receive? [1]

2. (a) Solve the inequality $7 - 5x \leq 17$ [3]

x

(b) Represent the solution set from part (a) on a number line [2]



2. (a) Represent each sentence as an algebraic inequality.

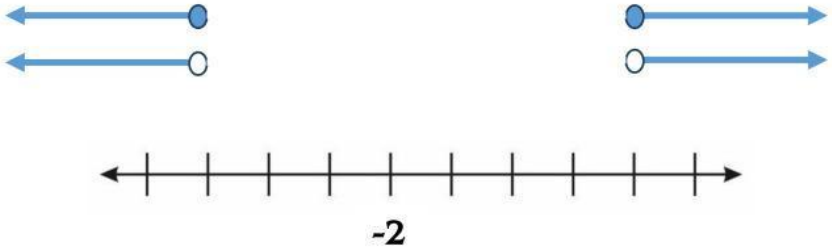
(i) x is at most 69. [1]

(ii) y is at least 100. [1]

(iii) The minimum value of z is 25. [1]

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(b) Draw a number line showing the inequality $n \geq 2$. [2]



2. Evaluate $2^5 + \sqrt[3]{-27}$ [2]

+ =

2. Solve $4(x - 3) = 2(x + 8)$. [4]

Equation after removing Brackets

=

Equation after Rearranging Constants and Variables

=

Equation after Simplifying Constants and Variables

=

Final Solution

=

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