

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**

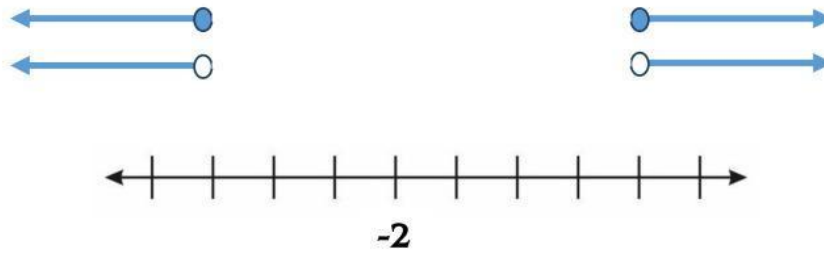
- (b) Represent the solution set from part (a) on a number line [2]



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]

- (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

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Equation after Rearranging Constants and Variables

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Equation after Simplifying Constants and Variables

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Final Solution

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