

## Percentage (Part 1) Answer Sheet

### Activity 2 – Countries' Names

Sweden is a 6-letter name of a country. 100% divided by 6 is 16.7% rounded to 1 decimal place.

So each letter is worth 16.7%.

<b>S</b>	<b>W</b>	<b>E</b>	<b>D</b>	<b>E</b>	<b>N</b>
<b>16.7%</b>	<b>16.7%</b>	<b>16.7%</b>	<b>16.7%</b>	<b>16.7%</b>	<b>16.7%</b>

Sweden's name is made up of 2 vowels and 4 consonants.

Sweden's name is made up of 33.4% vowels and 66.8% consonants.

1) Malta holds two A's.

What is the percentage of vowels and consonants in the word M A L T A ?

<b>M</b>	<b>A</b>	<b>L</b>	<b>T</b>	<b>A</b>
<b>20%</b>	<b>20%</b>	<b>20%</b>	<b>20%</b>	<b>20%</b>

$100 \div 5$  (letters) = 20%

M – 20%      A –  $2 \times 20\% = 40\%$       L – 20%      T = 20%

So, the word MALTA is made up of **40% vowels** and **60% consonants**.

2) Botswana is a country in Africa. Botswana is an 8-letter name.

What is the percentage of vowels and consonants in the word B O T S W A N A?

Botswana is made up of 8 letters (3 vowels and 5 consonants)

$$100 \div 8 \text{ (letters)} = 12.5\%$$

$$\text{Vowels} - 12.5 \times 3 = 37.5\%$$

$$\text{Consonants} - 12.5 \times 5 = 62.5\%$$

$$\text{(Check: } 37.5\% + 62.5\% = 100\%)$$

4) Most countries have a higher percentage of consonants than vowels.

- i. Find a country in Europe that its name consists of 50% vowels and 50% consonants.

Azerbaijan consists of 5 vowels and 5 consonants (50% vowels and 50% consonants).

Bulgaria consists of 4 vowels and 4 consonants (50% vowels and 50% consonants).

Greece consists of 3 vowels and 3 consonants (50% vowels and 50% consonants).

Other countries include: Kosovo, Monaco, Russia, Serbia, Slovakia and Slovenia.

- ii. Find a country in Europe that its name consists of a higher percentage in vowels than in consonants.

Albania consists of 4 vowels and 3 consonants (57.1% vowels and 42.9% consonants).

Other countries include: Romania, Croatia, Estonia, Georgia, Lithuania, Armenia and Ukraine.