1 a and b are odd numbers.

(a) Give an example to show that the value of $2(a + b)$ is a multiple of 4

(2)

(b) Show that, when a and b are both odd numbers, the value of $2(a + b)$ will always be a multiple of 4

(2)

2 Write down an example to show that each of the following two statements is **not** correct.

(a) The factors of an even number are always even.

.....

(1)

(b) All the digits in odd numbers are odd.

.....

(1)

3 A = {multiples of 5 between 14 and 26}

B = {odd numbers between 14 and 26}

(a) List the members of $A \cup B$

.....

(2)

(b) Describe the members of $A \cap B$

.....

(1)