Proportion sorting 2

Decide whether the following situations show values that **increase in proportion or not**. The hints suggest doubling one amount and deciding whether the other amount doubles as well. If the amounts are in proportion then when one amount doubles the other amount will also double.

Sort the situations into 'In proportion' or 'Not in proportion':

Situation A

The cost of a monthly mobile phone contract and the number of minutes called.

Hint: if you double the number of minutes, would you pay double the amount?

Situation B

The amount of income tax paid and salaries.

Hint: does a person who earns twice as much as another person pay twice as much tax?

Situation C

The amounts of blue and yellow paint to make a particular shade of green.

Hint: if you double the amount of blue paint, would you double the amount of yellow paint?

Situation D

The amounts of sand and cement in a concrete mix.

Hint: if you double the amount of sand, would you double the amount of cement?

Situation E

The population of a country and the land area.

Hint: does a country with double the amount of people as another have twice the land area?

Situation F

The number of US dollars compared to UK pounds sterling equivalent.

Hint: if someone has twice as many pounds as you, would they get twice as many dollars?

Now check your answers with the answer sheet.