

## TAKE THREE FROM FIVE

Choose any five positive whole numbers.

Can you select three that will add up to a multiple of 3?

16 20 3 7 11

For example:

If you start with 3, 7, 11, 16 and 20, you can select 3, 7 and 20 which add up to 30.

Choose another five positive whole numbers.

Can you select three again that will add up to a multiple of 3?

5 13 18 1 10

Is it always possible to find three numbers that will add up to a multiple of 3 from any set of five positive whole numbers?

Can you explain why?