

## Always, Sometimes or Never?

### Key questions

Are the following statements always true, sometimes true or never true?

Can you think of an example when it isn't true?

How do you know that it is always true?

Is it possible to check all examples? Is there another way of knowing?

Please show evidence of your thinking in your home learning books, jotting down examples to prove your decisions BEFORE filling in the grid with your final answers!

When you have decided whether the statements are true: sometimes, always or never, write the statements in the correct section of the grid.

The sum of three numbers is odd	If you add 1 to an odd number you get an even number
Multiples of 5 end in a 5	If you add two odd numbers you get an odd number
If you add a multiple of 10 to a multiple of 5 the answer is a multiple of 5	

What about these statements?

When you multiply two numbers you will always get a bigger number	If you add a number to 5 your answer will be bigger than 5
A square number has an even number of factors	The sum of three consecutive numbers is divisible by 3
Dividing a whole number by a half makes it twice as big	