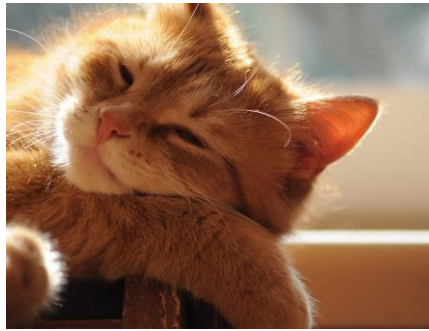Ash, Si, Sami and Mani are playing a game.
Each of them writes down a statement that describes a set of numbers.

Ash writes, "Multiples of five."
Si writes, "Triangular numbers."
Sami writes, "Even, but not multiples of four."
Mani writes, "Multiples of three but not multiples of nine."

Can you find some two-digit numbers that belong in two of the sets?
Can you find some two-digit numbers that belong in three sets?
What is the smallest number that belongs in all four sets?

How could you describe the pattern of the numbers that satisfy both Ash's and Sami's statements?
How about the numbers that satisfy both Ash's and Mani's statements?

Can you describe patterns for other pairs of statements?