

September 1st

Rosie has a set of photographs, less than 100, which she is going to put into an album.

If she puts 2 photographs on each page, she will have 1 left over.

If she puts 3 photographs on each page, she will have 2 left over.

If she puts 4 photographs on each page, she will have 3 left over.

If she puts 5 photographs on each page, she will have 4 left over.

The first statement means that the total is odd.

The fourth statement means that the total ends in either 4 or 9

Combining these means it must end in 9

The second statement means that the total is one less than a multiple of 3

The third statement means that the total is one less than a multiple of 4

Combining these mean it must be one less than a multiple of 12.

So we are looking for a number, ending in 9, which is one less than a multiple of 12.

The only possible value is **59**