

Name _____

Class _____

Maths Challenge 4 yr3/4 solution

Mr. Muddle had received a new photograph album for Christmas and he wanted to check if there were enough pages to hold all of his photos.

Mr. Muddle knew he had between 30 and 50 photos and the album could hold up to 50 photos so Mr. Muddle counted his photos to check.

First he counted them in 4's. There were 2 left over. Then he counted them in 5's. There was 1 left over. "That's fine," thought Mr. Muddle, "the album will be perfect."

1. How many photos did Mr. Muddle have?

Multiples of 4 between 30 and 50 are

32 36 40 44 48 so possible answers with 2 left over could be 34, 38, 42, or 46

Multiples of 5 between 30 and 50 are

35, 40 or 45 so possible answers with 1 left over could be 36, 41 or 46

So the answer must be 46

2. How many spaces did he have left after he had put all of his photos in the album?

$$50 - 46 = 4$$

