

**White**

**Rose  
Maths**

Year 5 - Autumn - Block 2

**Addition and Subtraction**

Amir is discovering numbers on a Gattegno chart. He makes this number.

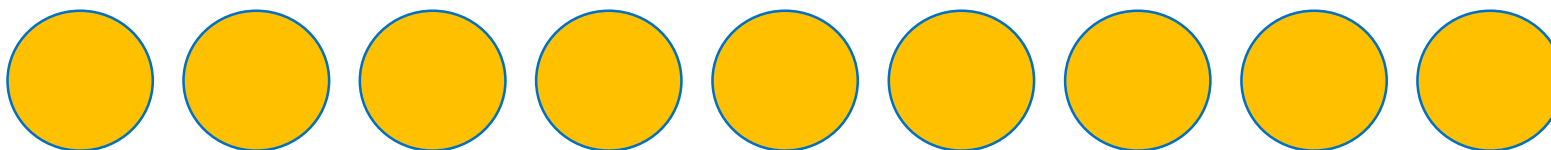
1	2	3	4	5	6	7	8	9
10	20	30	40	50	60	70	80	90
100	200	300	400	500	600	700	800	900
1000	2000	3000	4000	5000	6000	7000	8000	9000
10000	20000	30000	40000	50000	60000	70000	80000	90000

Amir moves one counter three spaces on a horizontal line to create a new number.

When he adds this to his original number he gets  
131,130

Which counter did he move?

10,000	20,000	30,000	40,000	50,000	60,000	70,000	80,000	90,000
1,000	2,000	3,000	4,000	5,000	6,000	7,000	8,000	9,000
100	200	300	400	500	600	700	800	900
10	20	30	40	50	60	70	80	90
1	2	3	4	5	6	7	8	9



Work out the missing numbers.

	?	4	?	3	?
+	2	?	5	?	2
	7	8	5	2	9

Eva makes a 5-digit number.

Mo makes a 4-digit number.

The difference between their numbers is 3,465

What could their numbers be?

Rosie completes this subtraction incorrectly.

$$\begin{array}{r}
 28701 \\
 - 7621 \\
 \hline
 21180
 \end{array}$$

Explain the mistake to Rosie and correct it for her.

# True or False?

$$49,999 - 19,999 = 50,000 - 20,000$$



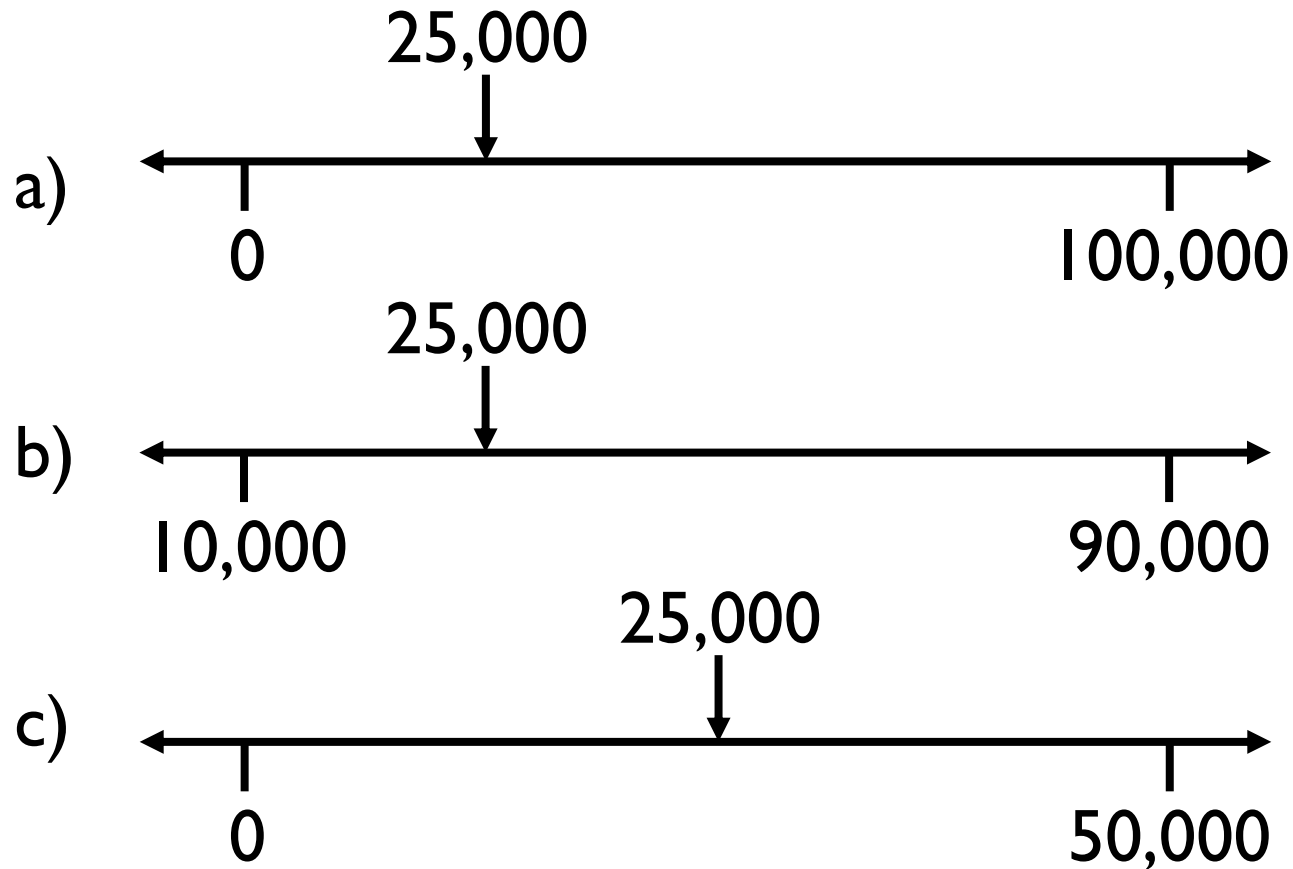
Dora

I did not need to use a written method to work this out.

Can you explain why Dora's method work?

Can you think of another example where this method could be used?

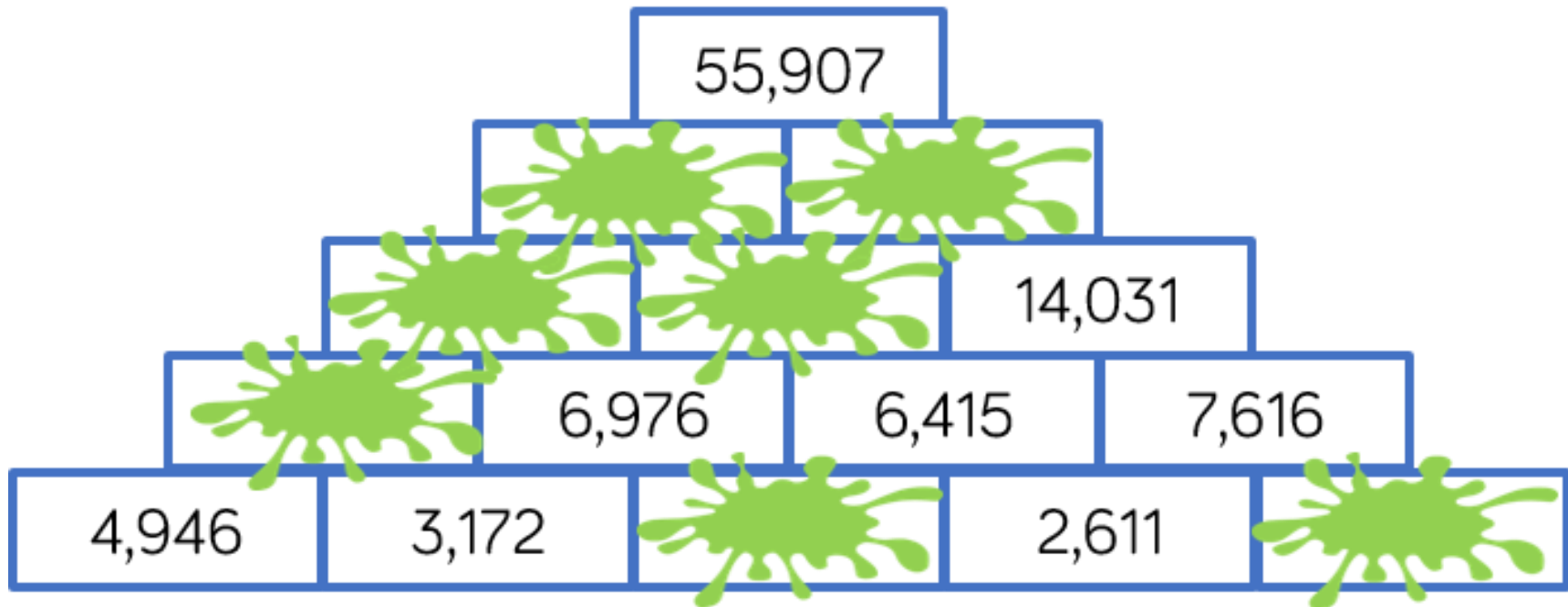
Which estimate is inaccurate?

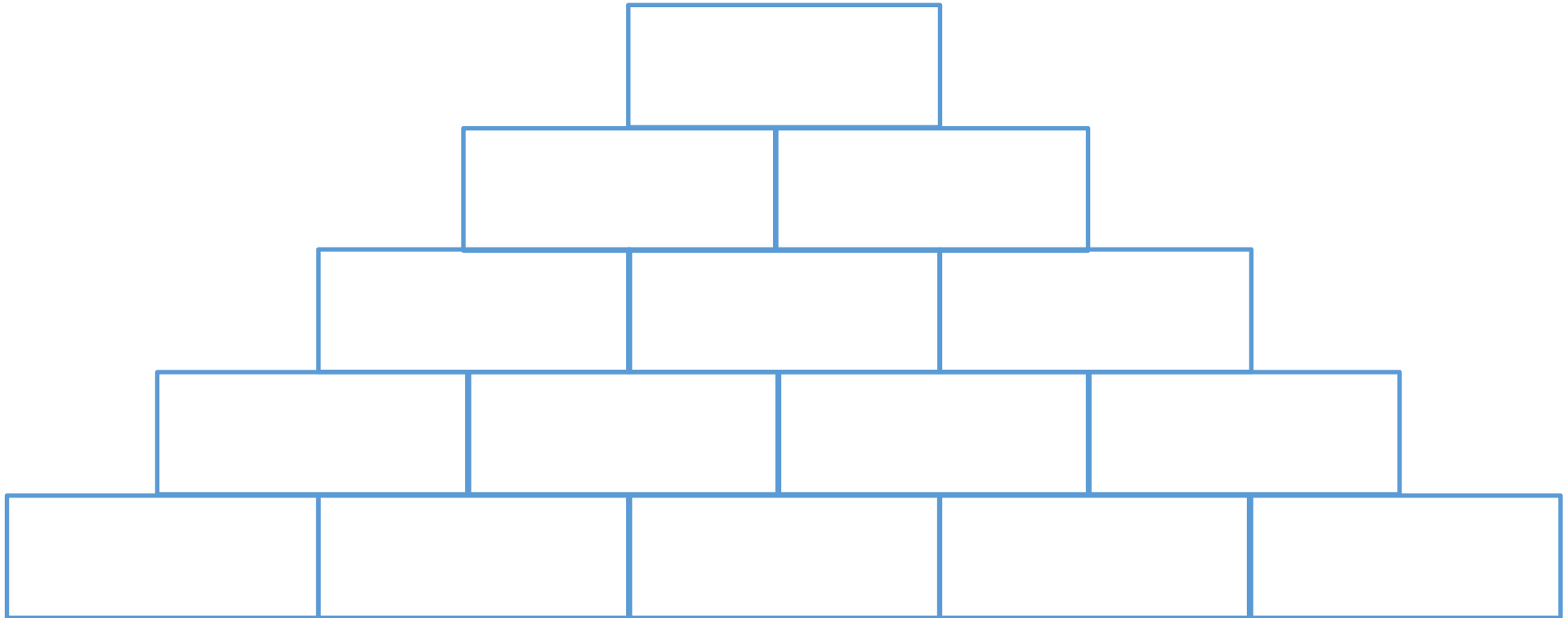


Explain how you know.



Complete the pyramid using addition and subtraction.





Mo, Whitney, Teddy and Eva collect marbles.



Mo

I have 1,648 marbles.

I have double the amount of marbles Mo has.



Whitney



Teddy

I have half the amount of marbles Mo has.

In total they have 8,524 marbles between them.  
How many does Eva have?

A milkman has 250 bottles of milk.  
He collects another 160 from the dairy, and delivers  
375 during the day.  
How many does he have left?



Tommy

My method:

$$375 - 250 = 125$$

$$125 + 160 = 285$$

Do you agree with Tommy?  
Explain why.

On Monday, Whitney was paid £114

On Tuesday, she was paid £27 more than on Monday.

On Wednesday, she was paid £27 less than on Monday.

How much was Whitney paid in total?

How many calculations did you do?

Is there a more efficient method?