



# Add More than 4-digits

# **Reasoning and Problem Solving**

Amir is discovering numbers on a Gattegno chart.

He makes this number.

1	2	3	4	$\bigcirc$	6	7	8	9
10	20	30	40	50	$\bigcirc$	70	80	90
100	200	300	400	500	600	700	800	900
1000	2000	3000	$\bigcirc$	5000	6000	7000	8000	9000
10000	20000	30000	40000	50000	$\bigcirc$	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?

He moved the counter on the thousands row, he moved it from 4,000 to 7,000

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Worl	k out t	the m	iissing	g num	ibers.		54,937 + 23,592 = 78,529
		?	4	?	3	?	
	+	2	?	5	?	2	
		7	8	5	2	9	



# **Subtract More than 4-digits**

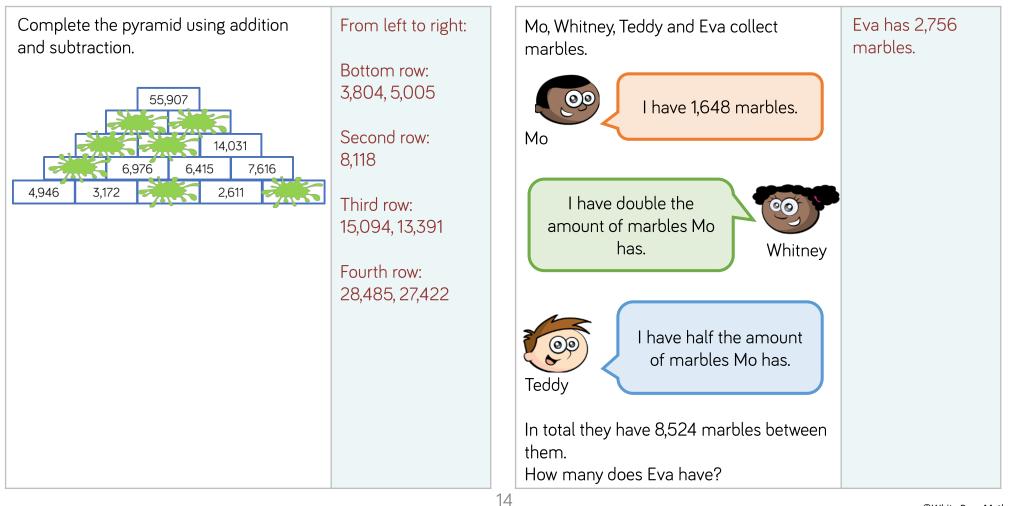
# **Reasoning and Problem Solving**

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#### **Inverse Operations**

# **Reasoning and Problem Solving**





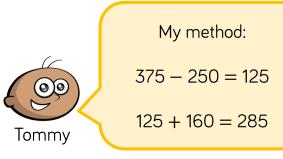
# Multi-step Problems

# Reasoning and Problem Solving

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?



Do you agree with Tommy? Explain why. Tommy is wrong. He should have added 250 and 160, then subtracted 375 from the answer.

There are 35 bottles of milk remaining.

On Monday, Whitney was paid £114	£342
On Tuesday, she was paid £27 more than on Monday.	Children might add 114 and 27, subtract 27 from
On Wednesday, she was paid £27 less than on Monday.	114 and then add their numbers.
How much was Whitney paid in total?	A more efficient method is to
How many calculations did you do?	recognise that the '£27 more' and
Is there a more efficient method?	'£27 less' cancel out so they can just multiply £114 by three.



# Add & Subtract Integers

#### **Reasoning and Problem Solving**

