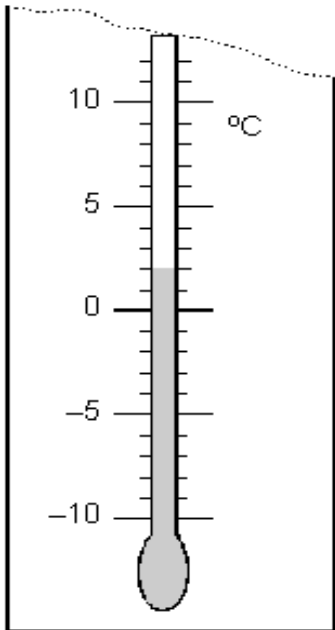
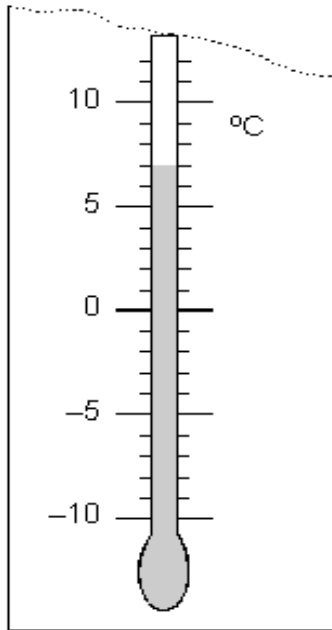


RECALL

Q1. These are the temperatures in York and Rome on a day in winter.



York



Rome

How many degrees **colder** is it in York than in **Rome**?

°C

On another day, the temperature in York is **4°C**

Rome is **7 degrees colder** than York.

What is the temperature in **Rome**?

°C

RECALL



3,456,789

1) Subtract
6,000

2) Add 200

3) Subtract
450,000

4) Add
2,200,000

5) Subtract
1,111,111

L.O. SOLVE ADDITION AND SUBTRACTION MULTI
STEP PROBLEMS IN CONTEXTS, DECIDING WHICH
OPERATIONS AND METHODS TO USE AND WHY.

- **SOME WILL EVEN:** Solve problems using inverse operations.
- **SOME WILL:** Find missing numbers in column calculations.
- **MOST WILL:** Use column method for addition and subtraction.
- **ALL WILL:** Use a number line to calculate addition and subtraction.



Mud Mayhem race!

We have had 2,679 runners this year, but 534 were unable to complete the race.

We have 32,145 empty water bottles. 4,302 bottles have not been used. We must have started with 75,165. That seems like a lot.

MY TURN

- How many runners completed the race?
- Isla thinks they started with 75165 bottles of water. What calculation can you do to find out if she is right?



Use a number line or written method.

YOUR TURN

a) How many runners completed the race?

b) Isla thinks they started with 75165 bottles of water. What calculation did Isla do? Why did she get the wrong answer?

APE



help

Use a number line or written method.



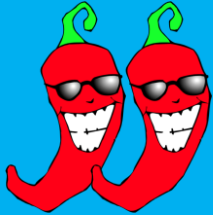
Next year the number of runners is expected to double.

- a) How many runners will there be? (use runners who entered, even if didn't run!)
- b) If each runner needs 2 bottles of water, how much water should Isla pre-order



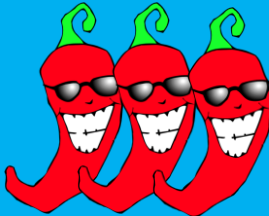
a) $46,563 + 26,574 =$

b) $59,815 - 44,189 =$



c) $406,563 + 256,574 =$

d) $50,915 - 44,189 =$



e) $46,999 + 26,898 =$

f) $50,000 - 36,189 =$



f) $23,686 + 7735 + 668 =$

g) 5643 subtracted from 302,789



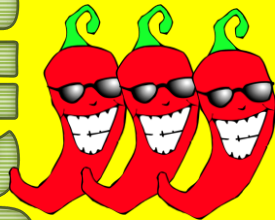
a) $46,563 + 26,574 = 73,137$

b) $59,815 - 44,189 = 15,626$



c) $406,563 + 256,574 = 663,137$

d) $50,915 - 44,189 = 6,726$



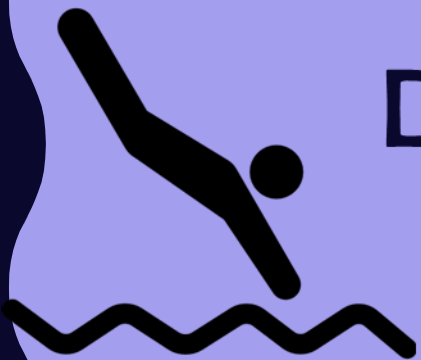
e) $46,999 + 26,898 = 73,897$

f) $50,000 - 36,189 = 13,811$



f) $23,686 + 7735 + 668 = 32,089$

g) 5643 subtracted from 302,789 = $297,146$



DIVE DEEPER 1

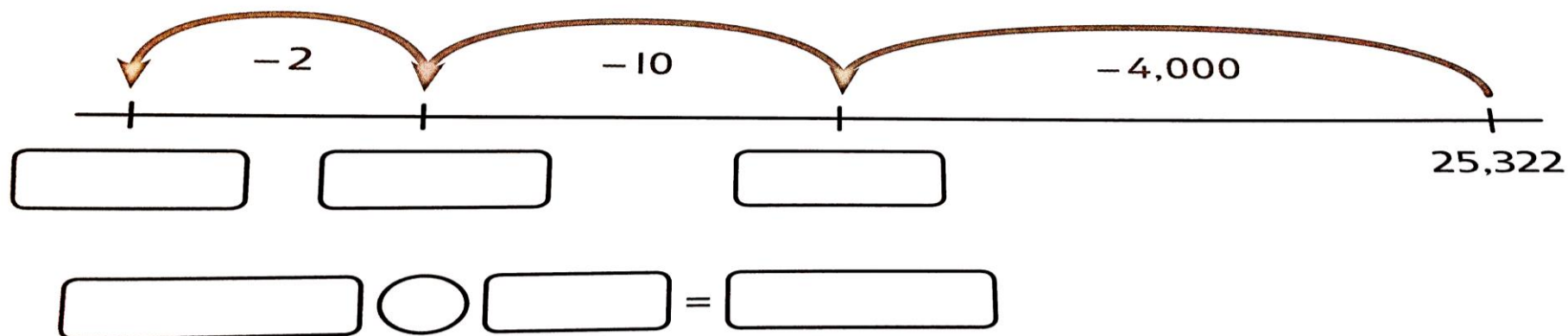
1) An organiser is trying to calculate how many more spectators there were at a Mud Mayhem race than at a marathon.

There is mud on his calculation.
Work out the missing information.

TTh	Th	H	T	O
4	5	7	8	*
* 4	0	*	5	2
* *	*	7	*	1

2

What calculation is shown on the number line?



3) If we add 6666 to 7777 do we get an answer with lots of digits the same? What about 7777 plus 8888?



DIVE DEEPER 1

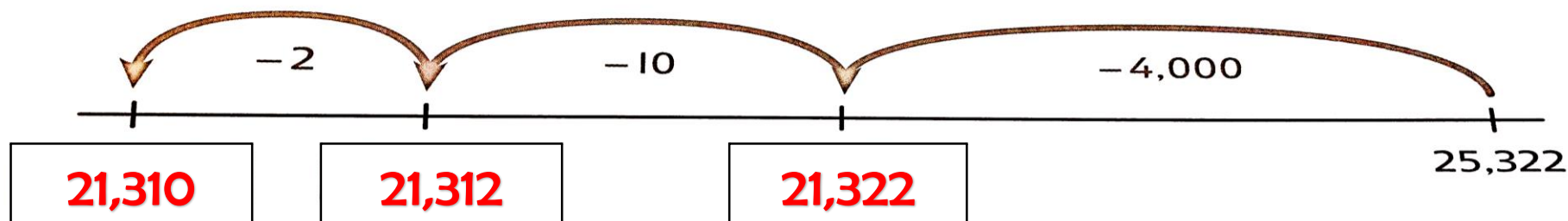
1) An organiser is trying to calculate how many more spectators there were at a Mud Mayhem race than at a marathon.

There is mud on his calculation.
Work out the missing information.

TTh	Th	H	T	O
4	5	7	8	3
4	0	0	5	2
0	5	7	3	1

2

What calculation is shown on the number line?

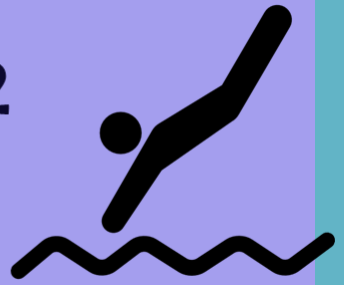


$$25,322 - 4,012 = 21,310$$

3) If we add 6666 to 7777 do we get an answer with lots of digits the same? What about 7777 plus 8888?



DIVE DEEPER 2



4 A pilot flew 2,438 km on Monday and then 1,330 km on Tuesday.

a) How much further did she fly on Monday than on Tuesday?

b) On Wednesday, the pilot flew 227 km less than on Monday. How far did she fly on Monday, Tuesday and Wednesday in total?

5) Max is doing a column subtraction. What two mistakes has he made? What is the correct answer?

	TTh	Th	H	T	O
	2	5	3	9	9
-		2	3	5	1
	0	3	6	4	8



a) $9,999,999 - \boxed{} = 909,090$

b) $\boxed{} - 919,293 = 50,206$

6) Write a story problem for the calculation $74,505 - \underline{\hspace{2cm}} = 21,200$

DIVE DEEPER 2



4 A pilot flew 2,438 km on Monday and then 1,330 km on Tuesday.

a) How much further did she fly on Monday than on Tuesday?

a) 1,108
b) Wed = 2,211
5,979 total

b) On Wednesday, the pilot flew 227 km less than on Monday. How far did she fly on Monday, Tuesday and Wednesday in total?

5) Max is doing a column subtraction. What two mistakes has he made? What is the correct answer?

TTh	Th	H	T	O
2	5	3	9	9
-	2	3	5	1
0	3	6	4	8

3 + 3
2 - 0 = 0

2 3 0 4 8

6) Write a story problem for the calculation

74,505 - 53,305 = 21,200

a) 9,999,999 - 9,090,909 = 909,090

b) 969,499 - 919,293 = 50,206

Twenty Divided Into Six

Age 7 to 11

Challenge Level ★★

Katie had a pack of twenty cards numbered from 1 to 20.

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

11	12	13	14	15	16	17	18	19	20
----	----	----	----	----	----	----	----	----	----

She arranged the cards into six piles.

The numbers on the cards in each pile added to the same total.

What was the total and how could this be done? Are you curious enough to find out?