

Class 8 Maths

Facts

You need to practise your timetables and other number facts regularly, as we do in school.

You can use Times Table Rock Star like we do in school. The link is

- <https://play.ttrockstars.com/auth>

You can also use Numbots which uses the same login as Times Table Rock Star

- <https://play.numbots.com/#/account/search-school>

Arithmetic

This week there are some reasoning questions for adding and subtracting. Read all the questions carefully. When answering the questions make sure you explain what is being asked of you. I will put an example below.

Example-

Jenny is adding a 3-digit number and a 2-digit number.

- The 3-digit number has a 5 in the tens column and a 4 in the ones column.
- The 2-digit number has a 7 in the tens column and a 6 in the ones column.

Zara thinks the answer will have a 2 in the tens column and a 0 in the ones column.

Is she correct? Explain your answer.

Answer- (red)

Jenny is adding a 3-digit number and a 2-digit number.

- The 3-digit number has a 5 in the tens column and a 4 in the ones column.
- The 2-digit number has a 7 in the tens column and a 6 in the ones column.

Zara thinks the answer will have a 2 in the tens column and a 0 in the ones column.

Is she correct? Explain your answer.

No, Jenny is incorrect because 4 ones and 6 ones make 10 ones, meaning there will be a 0 in the ones column and a ten exchanged. 5 tens and 7 tens (plus the exchange) equals 13 tens (e.g. $154 + 76 = 230$).

Monday-

3a. Karolina is adding a 3-digit number to a 2-digit number.

- The 3-digit number has a 4 in the ones column.
- The 2-digit number has a 6 in the ones column.

Karolina thinks the answer will have a 9 in the ones column.

Is she correct? Explain your answer.

6a. Zara is adding a 3-digit number to a 2-digit number.

- The 3-digit number has a 6 in the tens column and a 5 in the ones column.
- The 2-digit number has a 7 in the tens column and a 9 in the ones column.

Zara thinks the answer will have a 4 in the tens column and a 4 in the ones column.

Is she correct? Explain your answer.

3b. Filip is adding a 3-digit number to a 2-digit number.

- The 3-digit number has a 6 in the ones column.
- The 2-digit number has a 3 in the ones column.

Filip thinks the answer will have a 9 in the ones column.

Is he correct? Explain your answer.

6b. Harvey is adding a 3-digit number to a 2-digit number.

- The 3-digit number has a 5 in the tens column and a 5 in the ones column.
- The 2-digit number has a 9 in the tens column and a 8 in the ones column.

Harvey thinks the answer will have a 4 in the tens column and a 3 in the ones column.

Is he correct? Explain your answer.

Tuesday-

2a. Carly and Marvin work out the calculation $183 - 33$.



I have done

	1	8	3
-		3	3
<hr/>			

I have done



Marvin

Who is correct? Explain how you know.



R

2b. Carter and Izzy work out the calculation $166 - 33$.



I have done

		3	3
-	1	6	6
<hr/>			

Carter

I have done



Izzy

Who is correct? Explain how you know.



R

3a. Lewis has completed the following subtraction:

	H	T	O
	4	5	8
-		5	4
<hr/>			
	4	0	4
<hr/>			

Is he correct? Explain how you know.



3b. Angelica has completed the following subtraction:

	H	T	O
	5	5	7
-		3	4
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	5	8	3
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Is she correct? Explain how you know.



Wednesday-

5a. Sarah and Kris work out the calculation $251 - 61$.

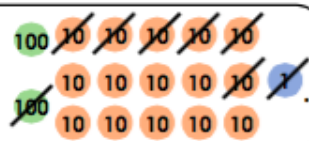


I have done

	¹ 2	¹ 5	1
-		6	1

Sarah

I have done



Kris

Who is correct? Explain how you know.



R

5b. Bobby and Valerie work out the calculation $424 - 74$.



I have done

	³ 4	¹ 2	4
-		7	4

Bobby

I have done



Valerie

Who is correct? Explain how you know.



R

6a. Reuben has completed the following subtraction:

	H	T	O
	2	7	2
-		5	4
	2	2	2

Is he correct? Explain how you know.



6b. Tilly has completed the following subtraction:




	H	T	O
	5	0	7
-		5	4
	5	5	3



Is she correct? Explain how you know.






Thursday-

3a. Which calculation is the odd one out?


A.		H	T	O
		5		
+			6	3



B.		H	T	O
		2	2	
+		6		2



C.		H	T	O
		4	6	
+				3

Explain your answer.

3b. Which calculation is the odd one out?

A.		H	T	O
		1		6
+		2	2	0

B.		H	T	O
			8	4
+		5	3	




C.		H	T	O
		5	4	
+		3		2

Explain your answer.

6a. Which calculation is the odd one out?

A.		2	2	8
+		6	7	3
<hr/>				
<hr/>				

B.		3	4	9
+		5	5	2
<hr/>				
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C.	H	T	O
			
	2	5	1

Explain your answer.

6b. Which calculation is the odd one out?

A.		6	5	5
+		1	2	8
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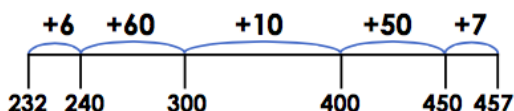
B.		2	0	9
+		7	6	3
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C.	H	T	O
	4	3	8
			

Explain your answer.

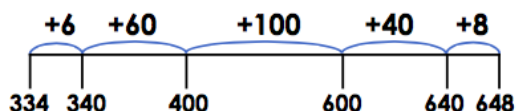
Friday-

2a. Dan uses a number line to solve the calculation: $457 - 232$. He gets the answer 133.



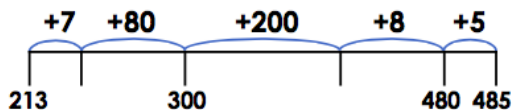
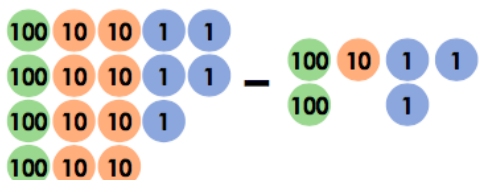
Explain the mistake that he has made.
What is the correct answer?

2b. Jimmy uses a number line to solve the calculation: $648 - 334$. He gets the answer 214.



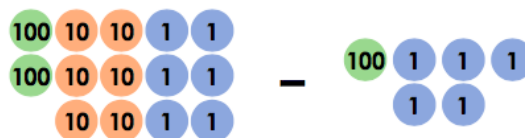
Explain the mistake that he has made.
What is the correct answer?

5a. Ben uses a number line to solve the calculation:



Explain the mistake that he has made.
What is the correct answer?

5b. Jamie uses column subtraction to solve the calculation:



	2	6	6
-	1	5	
	1	1	6

Explain the mistake that he has made.
What is the correct answer?