

Add and subtract 2-digit and 3-digit numbers – not crossing 10 or 100



1 Work out the additions.

a)

Hundreds	Tens	Ones
+		

	H	T	O
	2	5	1
+		3	2

b)

H	T	O
+		

	H	T	O
	3	0	7
+		4	2

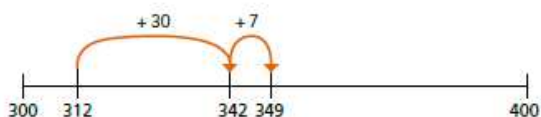
c)

	H	T	O
	2	3	7
+		5	1

d)

	H	T	O
	7	5	2
+		3	7

4 a) Eva uses a number line to work out $312 + 37$



What has Eva done? Talk to a partner.

b) Use the number line to work out $425 + 63$



c) Use the number line to work out $774 - 62$



5 Esther has a piece of wood 255 cm long. She cuts it into 2 pieces.



One piece is 34 cm long.

How long is the other piece?

2 Work out these subtractions.

a)

H	T	O
-		

	H	T	O
	4	2	7
-		1	5

b)

H	T	O
-		

	H	T	O
	5	3	6
-		3	5

c)

	H	T	O
	7	8	5
-		5	2

d)

	H	T	O
	9	8	5
-		7	2

3 Complete the additions.

a) $£69 + £220 = £$

b) $314 + 42 + 23 =$

6 Filip wants to buy these two items.



He has £200

Does he have enough money? _____

How do you know? Talk to a partner.

7 Use the digit cards to make each calculation correct.



	H	T	O
+			
	9	9	8

	H	T	O
+			
	9	8	9

	H	T	O
-			
	1	6	1

	H	T	O
-			
	6	2	2





Add 2-digit and 3-digit numbers – crossing 10 or 100

1 Use the place value chart to work out $328 + 36$

H	T	O
300	20	8
+	30	6

H	T	O
300	20	8
+	30	6

2 Work out the additions.

a) $572 + 45$

H	T	O
500	70	2
+	40	5

H	T	O
500	70	2
+	40	5

4 Ron works out $476 + 35$

$$\begin{array}{r} 476 \\ + 35 \\ \hline 826 \\ \hline \end{array}$$

What mistake has Ron made?

Work out the correct answer.

5 Alex collects stickers.

She has collected 286 stickers.

She only needs 69 more stickers to fill the album.



How many stickers does the album hold when full?

6 Here are some digit cards.

2

3

5

7

8

Arrange the digits to make two different additions that have just one exchange.

	H	T	O
+			

	H	T	O
+			

b) $754 + 66$

H	T	O
700	50	4
+	60	6

	H	T	O
	7	5	4
+		6	6

3 Work out the additions.

a)

	H	T	O
	1	7	5
+		7	2

d) $845 + 72$

b)

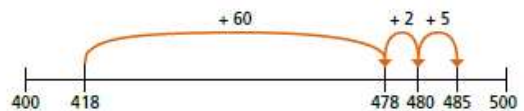
	H	T	O
	3	0	7
+		8	4

e) $436 + 85$

c) $35 \text{ kg} + 239 \text{ kg}$

f) $£739 + £68$

7 Mo uses a number line to work out an addition.



What addition has Mo worked out?

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+

--

=

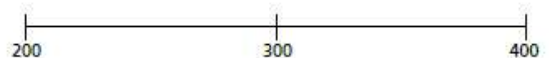
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8 Use the number lines to complete the additions.

a) $235 + 47 =$



b) $235 + 87 =$



Subtract 2-digit numbers from 3-digit numbers – crossing 10 or 100



1 Use base 10 to make the number 253

Subtract 27 from 253

Hundreds	Tens	Ones

a) Show a partner the method you used.

b) Complete the column subtraction.

	H	T	O
	2	5	3
-		2	7

2 Work out $426 - 82$

H	T	O

	H	T	O
	4	2	6
-		8	2

4 A film is shown 3 times in a day.

The table shows how many children watch each showing.

Showing time	11 am	3 pm	7 pm
Number of children	462	295	78

How many more children watch the 11 am showing than the 7 pm showing?

5 Find the missing values.

a)

728	
45	

b)

650		
38	53	

6 What mistakes have been made in these column subtractions?

a)

3	5	7
-	2	9
3	3	2

b)

4	0	2
-	3	5
4	7	7

_____	_____
_____	_____
_____	_____
_____	_____

3 Work out the subtractions.

a)

	H	T	O
	2	6	5
-		3	8

d) $212 \text{ cm} - 42 \text{ cm}$

b)

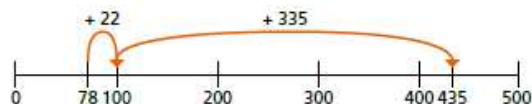
	H	T	O
	1	7	2
-		3	9

e) $413 - 65$

c) $538 - 75$

f) $847 - 79$

7 Whitney uses a number line to show that $435 - 78 = 357$



Explain what you think Whitney has done.

8 Work out the missing digits.

a)

	H	T	O
		4	5
-		2	
	7		6

b)

	H	T	O
	3		
-		7	8
		2	8

9 a) Use three different methods to work out $470 - 79$

Compare methods with a partner.

b) How can you work out $500 - 68$ in your head?

What method did you use?

Add two 3-digit numbers – not crossing 10 or 100



1 Complete the column addition.
Use base 10 to help you.

Hundreds			Tens			Ones		
■	■	■	■	■	■	■	■	■
■	■	■	■	■	■	■	■	■
■	■	■	■	■	■	■	■	■

H	T	O	
4	5	3	
+	1	2	5

+

2 Kim uses counters and a place value chart to help her work out $362 + 205$

Hundreds			Tens			Ones		
●	●		●	●	●	●	●	
●			●	●	●	●	●	

H	T	O	
3	6	2	
+	2	0	5

+

- Draw counters to complete the chart.
- Complete the column addition.
- Which column did you add first? Talk to a partner about your method.

5 Complete the additions.

a) $736 + 203 = \square$ c) $£391 + £505 = \square$

b) $184 + 105 = \square$

6 The table shows the number of boys and girls in 2 schools.

	Boys	Girls
School A	224	305
School B	400	

a) The total number of children in each school is equal.
Without working it out, which school has the most girls?

How do you know?

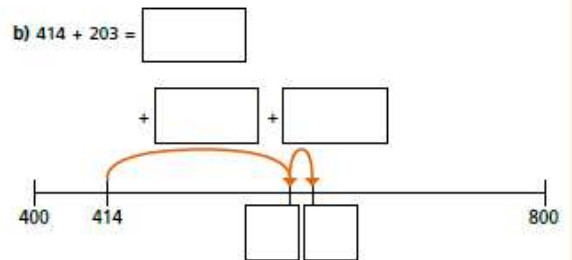
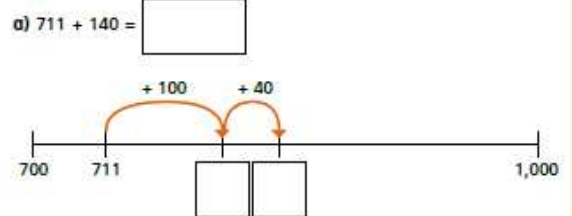
b) How many girls are there in school B?

7 Three children each work out an addition problem.

- Each child uses the same 6 digits.
- Each addition gives the same answer of 888
- Each child adds 2 different numbers together.

3 Mrs Morgan drives 230 km on Monday.
On Tuesday she drives 169 km.
How far does she drive in total on Monday and Tuesday?

4 Complete the number line to work out the addition.



c) $502 + 384 = \square$



Work out a possible set of addition problems.

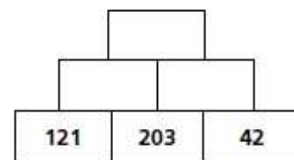
H	T	O
+		
8	8	8

H	T	O
+		
8	8	8

H	T	O
+		
8	8	8

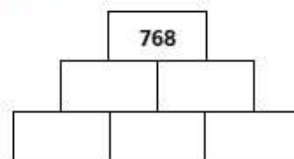
8 Here is an addition pyramid.
Add the two numbers below to make the number above.

a) Complete the addition pyramid.



b) Complete the addition pyramid.

None of the additions should have an exchange.
The total is 768



Compare answers with a partner.



Friday 19th June 2020

Consolidation day!

TTRS- complete minimum of 5 games. Where will you end up on the leaderboard this week?

These are activities to keep our maths learning 'sticky'. Select at least 2 of the activities below to complete your maths lesson today.

- Numbots
- BBC Bitesize game- [Guardians Defenders of Mathematica](#)

Challenge 1

Jane is standing in a queue.

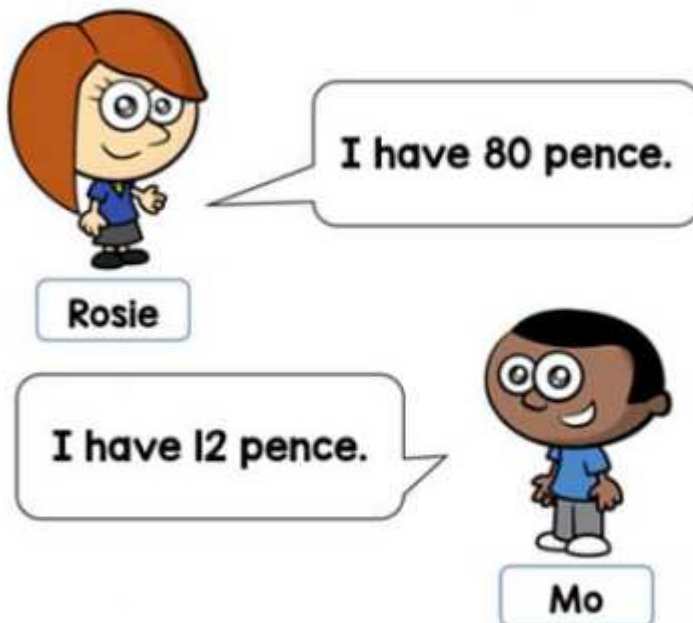
There are 5 people in front of her.

There are 2 people behind her.

How many people are in the queue?



Challenge 2



Rosie gives Mo 25 pence.

How much more money does Rosie have than Mo now?

Challenge 3

If

$$70 + \text{yellow circle} = 100$$

$$50 + \text{green triangle} = 100$$

$$\text{yellow circle} + \text{green triangle} + \text{blue square} = 100$$

What is the value of the blue square?