

Wednesday 3rd June 2020

L.O. Subtract a 3-digit number from a 3-digit number - exchange

Today's work is column subtraction with exchange.

Reminder: Your grown-ups will probably call it column subtraction with "borrowing".

Remember to set your work out neatly which might be a challenge in a book without
boxes!

Use : H T O

3	6	8
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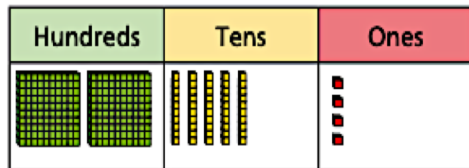
to keep everything in its place!

Watch the video...

Subtract a 3-digit number from a 3-digit number – exchange

1 Complete the column subtractions.

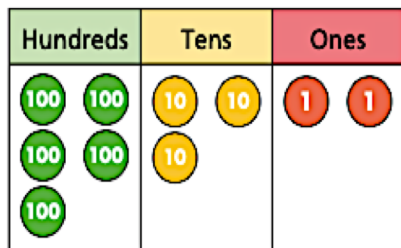
a) $254 - 126$



	H	T	O
	2	5	4
-	1	2	6

What exchange did you have to make?

b) $532 - 281$



	H	T	O
	5	3	2
-	2	8	1

What exchange did you have to make?

2 Which of these calculations need an exchange?

Tick your answers.

	H	T	O
	6	5	8
-	1	4	4

	H	T	O
	3	2	3
-	1	1	7

	H	T	O
	4	2	9
-	1	7	2

How do you know?

3 Work out the subtractions.

a) $735 - 218$

	H	T	O
	7	3	5
-	2	1	8

c) $415 - 179$

	H	T	O
	4	1	5
-	1	7	9

b) $428 - 163$

	H	T	O
	4	2	8
-	1	6	3

d) $382 - 194$

	H	T	O
	3	8	2
-	1	9	4

- 4 Talk about the mistake that has been made.

$$\begin{array}{r} 546 \\ - 283 \\ \hline 343 \end{array}$$

- 5 Complete the subtractions.

a)

	H	T	O
	7	0	0
-	5	4	6

b)

	H	T	O
	8	0	5
-	1	7	9

- 6 Work out the missing digits in these subtractions.

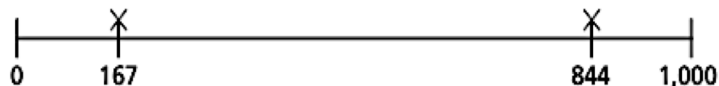
a)

	H	T	O
	7		5
-	3	4	
		7	3

b)

	H	T	O
		2	0
-	1		8
	2	9	

- 7 Two points are marked on a number line.



What is the difference between the two points?

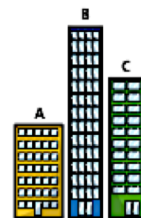
- 8 Find the missing numbers.

a) $179 + \square = 595$ c) $95 + \square + 138 = 870$

b) $718 - \square = 348$ d) $\square - 446 = 503$

- 9 Here are 3 buildings.

- A is 150 m tall
- B is 317 m taller than A
- C is 223 m shorter than B



How much taller is C than A?

- 10 Aisha buys these items.



How much change does she have from £1,000?

Time to mark your work

Answers below!



Subtract a 3-digit number from a 3-digit number – exchange

1 Complete the column subtractions.

a) $254 - 126$

Hundreds	Tens	Ones

	H	T	O
	2	5	4
-	1	2	6
	1	2	8

What exchange did you have to make?

1 ten for 10 ones.

b) $532 - 281$

Hundreds	Tens	Ones

	H	T	O
	5	3	2
-	2	8	1
	2	5	1

What exchange did you have to make?

1 hundred for 10 tens

2 Which of these calculations need an exchange?
Tick your answers.

	H	T	O
	6	5	8
-	1	4	4

	H	T	O
	3	2	3
-	1	1	7

	H	T	O
	4	2	9
-	1	7	2

How do you know?

3 Work out the subtractions.

a) $735 - 218$

	H	T	O
	7	3	5
-	2	1	8
	5	1	7

c) $415 - 179$

	H	T	O
	4	1	5
-	1	7	9
	2	3	6

b) $428 - 163$

	H	T	O
	4	2	8
-	1	6	3
	2	6	5

d) $382 - 194$

	H	T	O
	3	8	2
-	1	9	4
	1	8	8



- 4 Talk about the mistake that has been made.

$$\begin{array}{r} 546 \\ - 283 \\ \hline 343 \end{array}$$

- 5 Complete the subtractions.

a)

	H	T	O
	7	0	0
-	5	4	6
	1	5	4

b)

	H	T	O
	8	0	5
-	1	7	9
	6	2	6

- 6 Work out the missing digits in these subtractions.

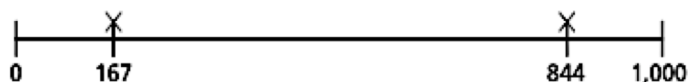
a)

	H	T	O
	6	1	5
-	3	4	2
	3	7	3

b)

	H	T	O
	3	2	0
-	1	2	8
	2	9	2

- 7 Two points are marked on a number line.



What is the difference between the two points?

$$677$$

- 8 Find the missing numbers.

a) $179 + \boxed{416} = 595$

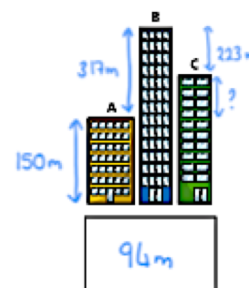
c) $95 + \boxed{637} + 138 = 870$

b) $718 - \boxed{370} = 348$

d) $\boxed{949} - 446 = 503$

- 9 Here are 3 buildings.

- A is 150 m tall
- B is 317 m taller than A
- C is 223 m shorter than B



How much taller is C than A?

- 10 Aisha buys these items.



How much change does she have from £1,000?

$$£188$$

