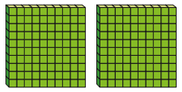
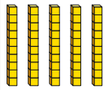
Subtract a 3-digit number from a 3-digit number – exchange

1 Complete the column subtractions.

a) 254 – 126

Hundreds	Tens	Ones
		

		H	T	O	
		2	~~5~~ 4	~~4~~ 1	
	–	1	2	6	
		1	2	8	

What exchange did you have to make?

1 ten for 10 ones.

b) 532 – 281

Hundreds	Tens	Ones
100 100 100 100 100	10 10 10	1 1

		H	T	O	
		~~5~~ 4	~~3~~ 13	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~~ 2	~~5~~ 15	
	–	2	1	8	
		5	1	7	

c) 415 – 179

		H	T	O	
		~~4~~ 3	~~1~~ 10	~~5~~ 15	
	–	1	7	9	
		2	3	6	

b) 428 – 163

		H	T	O	
		~~4~~ 3	~~2~~ 12	8	
	–	1	6	3	
		2	6	5	

d) 382 – 194

		H	T	O	
		~~3~~ 2	~~8~~ 17	~~2~~ 12	
	–	1	9	4	
		1	8	8	

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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	
		~~6~~ 7	~~+9~~ 0	1 0	
	–	5	4	6	
		1	5	4	

b)

		H	T	O	
		~~7~~ 8	~~+9~~ 0	1 5	
	–	1	7	9	
		6	2	6	

6 Work out the missing digits in these subtractions.

a)

		H	T	O	
		~~6~~ 7	~~+1~~ 1	5	
	–	3	4	2	
		3	7	3	

b)

		H	T	O	
		~~3~~ 4	~~+1~~ 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 + 416 = 595

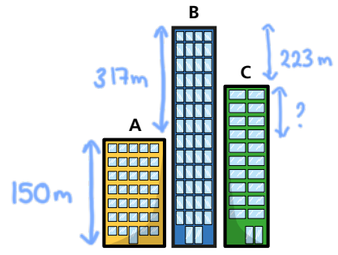
b) 718 – 370 = 348

c) 95 + 637 + 138 = 870

d) 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?

94m

10 Aisha buys these items.

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

£188

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