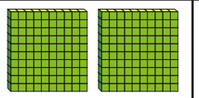
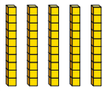
Subtract 2-digit numbers from 3-digit numbers – crossing 10 or 100

1 Use base 10 to make the number 253

Subtract 27 from 253

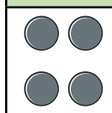
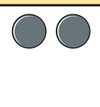
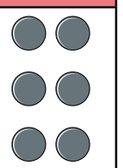
Hundreds	Tens	Ones
		

a) Show a partner the method you used.

b) Complete the column subtraction.

		H	T	O	
		2	~~5~~ 4	13	
	–		2	7	
		2	2	6	

2 Work out 426 – 82

H	T	O
		

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

3 Work out the subtractions.

a)

		H	T	O	
		2	~~5~~ 6	15	
	–		3	8	
		2	2	7	

b)

		H	T	O	
		1	~~7~~ 6	12	
	–		3	9	
		1	3	3	

c) 538 – 75

		~~5~~ 4	13	8	
	–		7	5	
		4	6	3	

d) 212 cm – 42 cm

		1				
		~~2~~	11	2	cm	
	–		4	2	cm	
		1	7	0	cm	

e) 413 – 65

		3 10			
		~~4~~	~~1~~ 0	13	
	–		6	5	
		3	4	8	

f) 847 – 79

		7 13			
		~~8~~	~~1~~ 4	17	
	–		7	9	
		7	6	8	

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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?

384

5 Find the missing values.

a)

728	
45	683

b)

650		
38	53	559

6 What mistakes have been made in these column subtractions?

a)

$$\begin{array}{r} 357 \\ -\ 29 \\ \hline 332 \end{array}$$

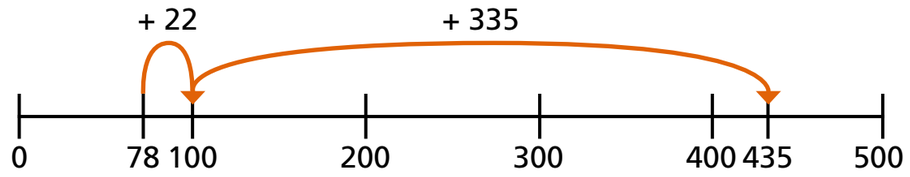
This person has found the difference between the numbers in each column.

b)

$$\begin{array}{r} {}^{4}\cancel{5}{}^{1}02 \\ -\ 35 \\ \hline 477 \end{array}$$

This person has exchanged 1 hundred for 10 ones.

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



Explain what you think Whitney has done.

Counted on from 78 to 435

8 Work out the missing digits.

a)

		H	T	O	
		7	3/4	1 5	
	–		2	9	
		7	1	6	

b)

		H	T	O	
		2/3	1 0/9	1 6	
	–		7	8	
		2	2	8	

9 **a)** Use three different methods to work out 470 – 79

E.g.

470 – 70 = 400
400 – 9 = 391

470 – 80 = 390
390 + 1 = 391

$$\begin{array}{r} {}^{3}\cancel{4}{}^{16}\cancel{7}0 \\ -\ 79 \\ \hline 391 \end{array}$$

Compare methods with a partner.

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

What method did you use?

Various answers.

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