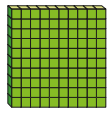
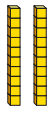

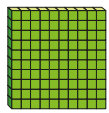


Spot the pattern – making it explicit

1 Complete the number sentences.

Use the place value chart to help you.

H	T	O
		
		

a) $222 + 6 = 228$

b) $222 + 60 = 282$


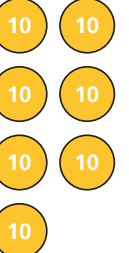

c) $222 + 600 = 822$

What do you notice?



2 Complete the number sentences.

Use the place value chart to help you.

H	T	O
		

a) $777 - 400 = 377$

c) $777 - 4 = 773$

b) $777 - 40 = 737$

What do you notice?



3 Complete the number sentences.

a) $315 + 200 = 515$

$315 + 20 = 335$

$315 + 2 = 317$

c) $405 + 30 = 435$

$405 + 50 = 455$

$405 + 90 = 495$

b) $748 - 200 = 548$

$748 - 20 = 728$

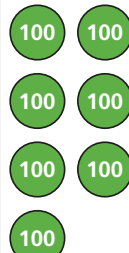
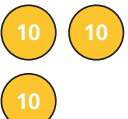

$748 - 2 = 746$

d) $635 - 300 = 335$

$635 - 500 = 135$

$635 - 600 = 35$

4 Amir makes this number on a place value chart.

H	T	O
		

a) Amir adds some counters to the chart.

He now has the number 736

What counters did Amir add?

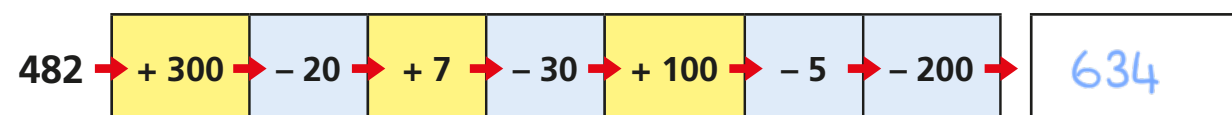
5 ones

b) Amir removes 3 counters from one of the columns.

What numbers could he have now?

Various answers.

- 5 Work out the end number.



- 6 Complete the sentences.

a) 500 more than 238 is equal to

738

b) 528 is 300 more than 228

c) 727 is 2 less than 729

d) 64 is 300 less than 364

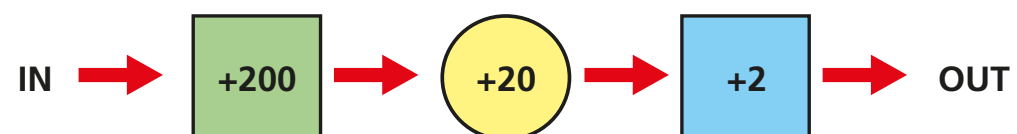
e) 429 is 20 more than

409

f) 429 is 20 less than

449

- 7 Here is a number machine.



a) If 476 goes into the machine, what number comes out?

698

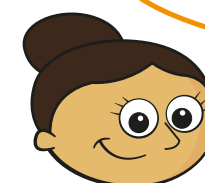
- b) If 476 comes out of the machine, what number went in?

254

How did you work this out?

Work backwards. $-2, -20, -200$

8



When you add 3 tens to a number, the only column that changes is the tens column.

Is Dora correct? No

Explain your answer.

$263 + 30 = 293$ (only the tens change)

$273 + 30 = 303$ (tens and hundreds change)