

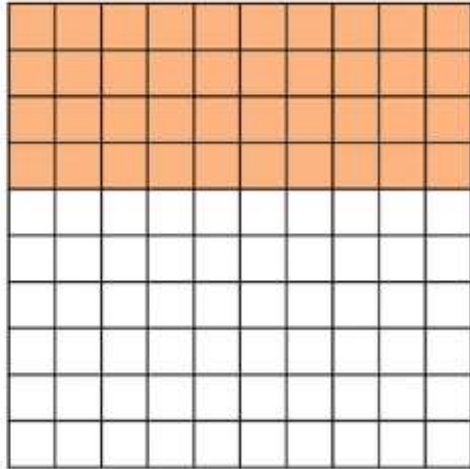
# Maths

Monday 29th June

L.O. To use bonds to 100

Look out for the blue writing for some teacher tips!

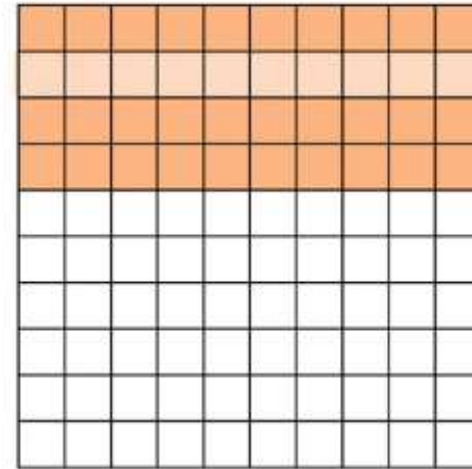
Annie has shaded some squares in a hundred square.



How many squares has Annie shaded?

Counting each square will  
take a very long time!

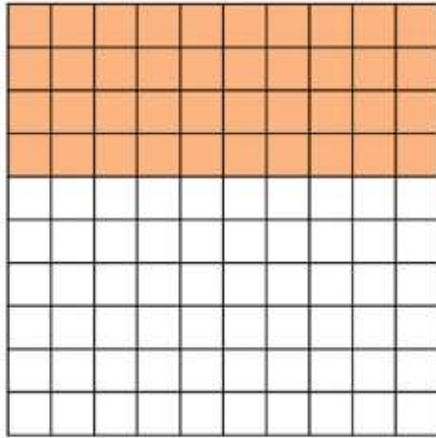
Annie has shaded some squares in a hundred square.



How many squares has Annie shaded?

We know there are 10  
squares in each row, so  
let's try counting in **tens**.

Annie has shaded some squares in a hundred square.

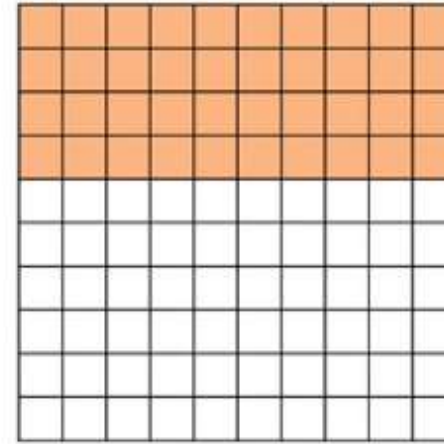


How many squares has Annie shaded? **40**

How many squares has Annie not shaded?

I know that Annie has shaded in 4 tens. I know that  $4 + 6 = 10$

Annie has shaded some squares in a hundred square.

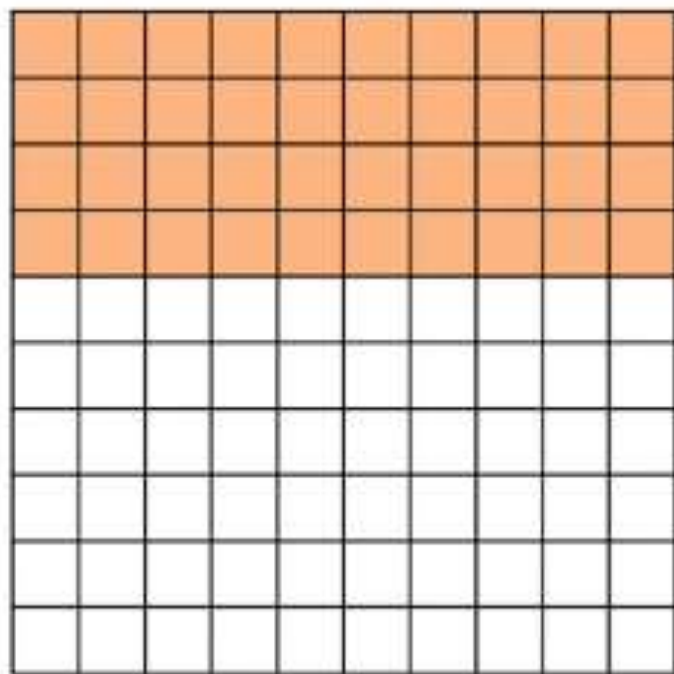


How many squares has Annie shaded? **40**

How many squares has Annie not shaded? **60**

So, I know that 4 tens + 6 tens is equal to 10 tens, which is 100. Six tens is equal to 60, so 60 squares are not shaded.

Annie has shaded some squares in a hundred square.

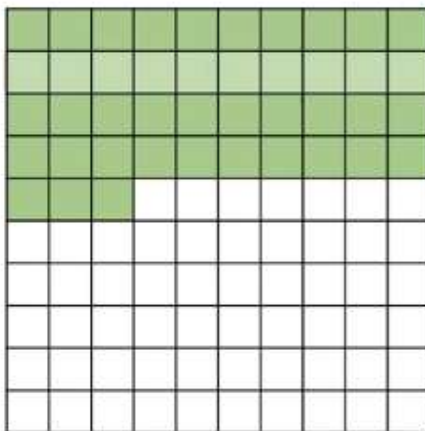


$$\boxed{40} + \boxed{60} = \boxed{100}$$

How many squares has Annie shaded? 40

How many squares has Annie not shaded? 60

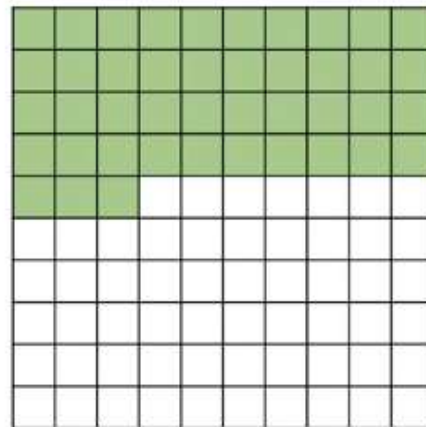
Tommy has shaded some squares in a hundred square.



How many squares has Tommy shaded?

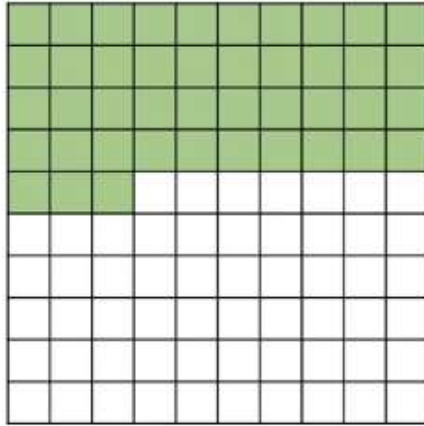
Let's count in tens and ones.

Tommy has shaded some squares in a hundred square.



How many squares has Tommy shaded? 43

Tommy has shaded some squares in a hundred square.

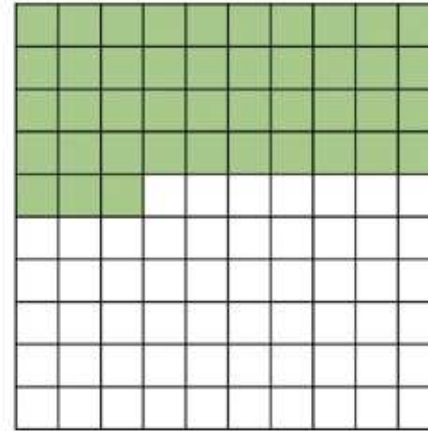


How many squares has Tommy shaded? **43**

How many squares has Tommy not shaded?

Each row has 10 squares, and Tommy shaded 3 squares in the fifth row, so there must be 7 squares unshaded in that row, because  $3 + 7 = 10$

Tommy has shaded some squares in a hundred square.

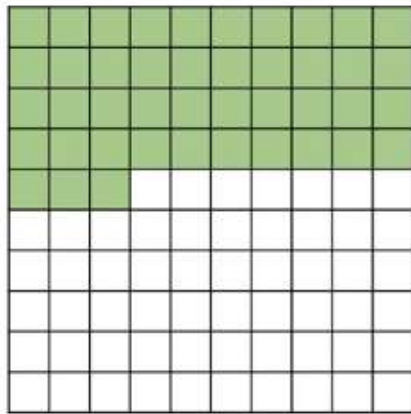


How many squares has Tommy shaded? **43**

How many squares has Tommy not shaded? **57**

$43 + 7 = 50$  and 50 is half of 100, so there are 50 more squares unshaded. And  $50 + 7 = 57$

Tommy has shaded some squares in a hundred square.



$$\boxed{43} + \boxed{57} = \boxed{100}$$

How many squares has Tommy shaded? 43

How many squares has Tommy not shaded? 57

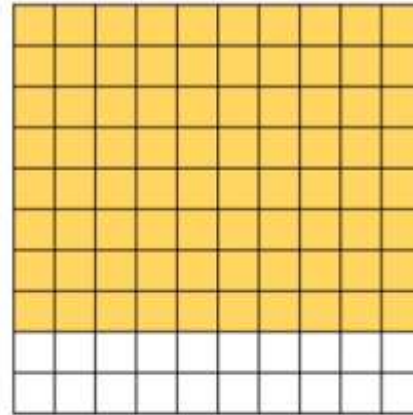
How many squares are shaded in each hundred square?

Have a go

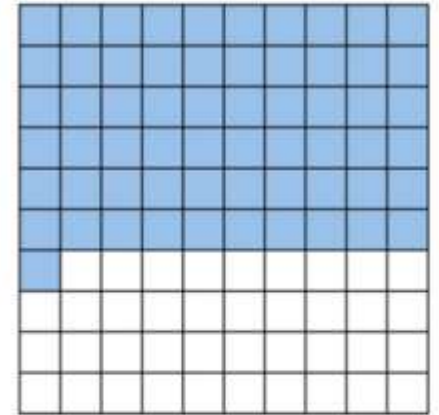


How many squares are not shaded?

Complete the number sentences.



$$\square + \square = \square$$



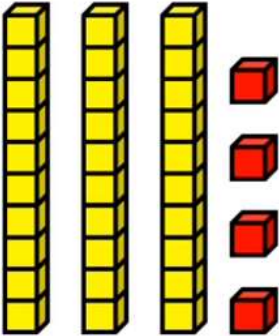
$$\square + \square = \square$$

Base 10 is another name for dienes

Rosie and Amir have each made a number using Base 10



Here is my number!



Our numbers add together to make 100



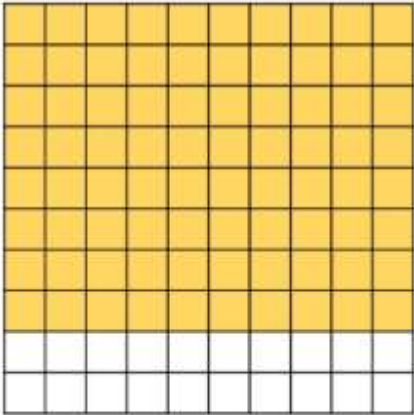
What number has Amir made?

How many squares are shaded in each hundred square?

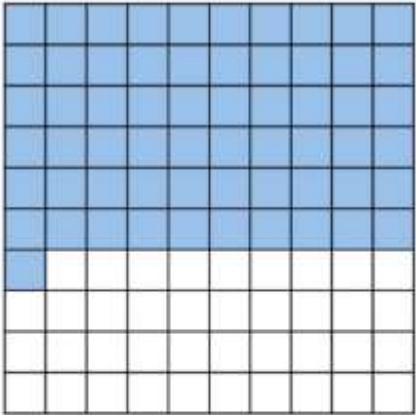
How many squares are not shaded?

Complete the number sentences.

Have a go

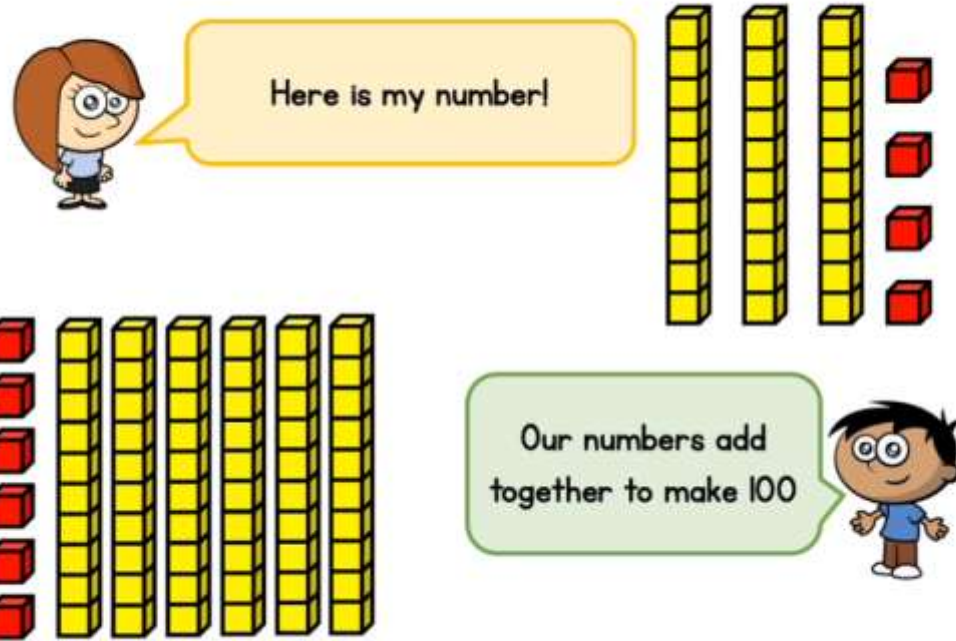


80 + 20 = 100



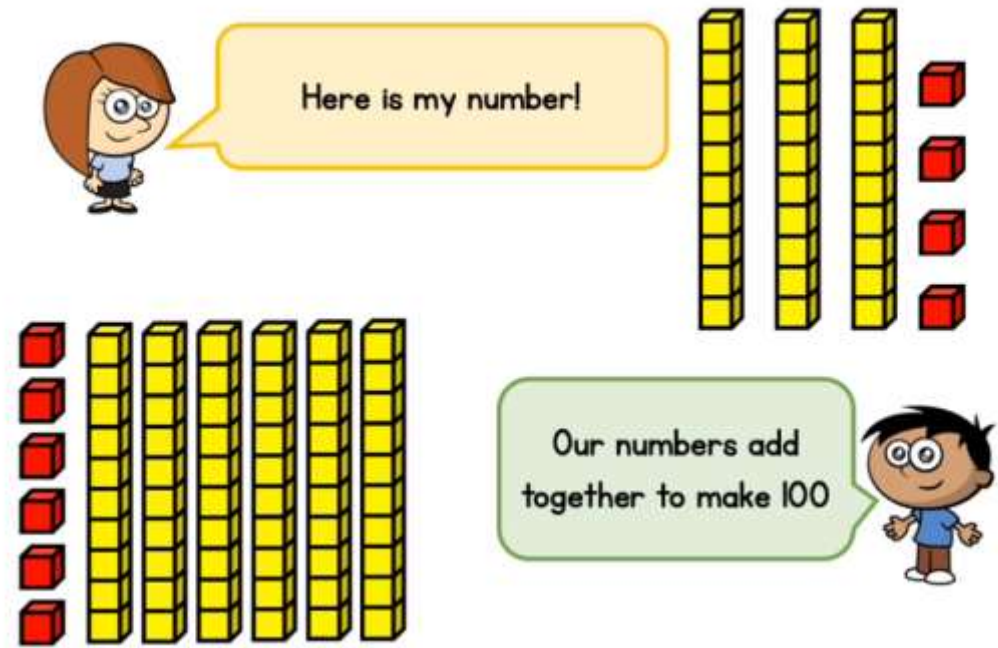
61 + 39 = 100

Rosie and Amir have each made a number using Base 10



What number has Amir made?

Rosie and Amir have each made a number using Base 10



What number has Amir made? 66



Work out the missing numbers.

$$1) \quad 21 + \square = 100$$

$$2) \quad 78 + \square = 100$$

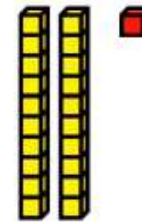
You could also use the 100 square method to work out the answers.

Work out the missing numbers.

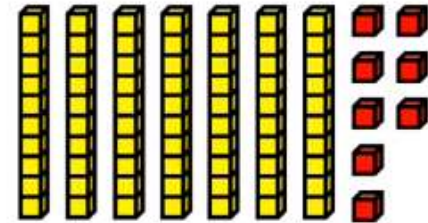
Have a go



$$1) \quad 21 + \square = 100$$

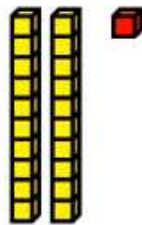


$$2) \quad 78 + \square = 100$$



Work out the missing numbers.

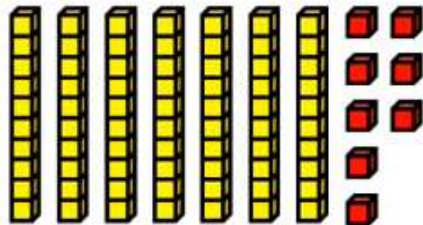
1)  $21 + 79 = 100$



Have a go



2)  $78 + 22 = 100$



Dora, Whitney and Teddy are trying to work out the missing number.

$39 + \square = 100$

I don't have any Base 10 to help me!



I know that  $39 + 1$  is equal to 40



I know that  $40 + 60$  is equal to 100



Dora, Whitney and Teddy are trying to work out the missing number.

$$39 + 61 = 100$$

The missing number must be 61



The missing number must be 61

The missing number must be 61



Work out the missing numbers.

1)  $31 + \square = 100$

2)  $58 + \square = 100$

3)  $100 = 92 + \square$

4)  $50 + \square = 100$

5)  $1 + \square = 100$

Have a go



Work out the missing numbers.

1)  $31 + 69 = 100$

2)  $58 + 42 = 100$

3)  $100 = 92 + 8$

4)  $50 + 50 = 100$

5)  $1 + 99 = 100$

Have a go



Dora, Whitney and Teddy are trying to work out the missing number.

$$100 - 42 = \square$$

100 - 40 is equal to  
60



60 - 2 is equal to 58

So 100 - 42 must be  
equal to 58



Work out the missing numbers.

Have a go



$$1) 100 - 68 = \square$$

$$2) 100 - 42 = \square$$

$$3) 100 - 93 = \square$$

$$4) 51 = 100 - \square$$

$$5) 100 - \square = 12$$

Work out the missing numbers.

Have a go



$$1) 100 - 68 = 32$$





$$2) 100 - 42 = 58$$

$$3) 100 - 93 = 7$$

$$4) 51 = 100 - 49$$

$$5) 100 - 88 = 12$$

Try these challenges...

	$90 + \underline{\quad} = 100$	$50 + \underline{\quad} = 100$	$70 + \underline{\quad} = 100$	$80 + \underline{\quad} = 100$
	$100 - 40 = \underline{\quad}$	$100 - 10 = \underline{\quad}$	$100 - 60 = \underline{\quad}$	$100 - 30 = \underline{\quad}$
	$92 + \underline{\quad} = 100$	$75 + \underline{\quad} = 100$	$20 + \underline{\quad} = 100$	$21 + \underline{\quad} = 100$
	$100 - 9 = \underline{\quad}$	$100 - 35 = \underline{\quad}$	$100 - 51 = \underline{\quad}$	$100 - \underline{\quad} = 83$
	$53 + \underline{\quad} = 100$	$\underline{\quad} + 37 = 100$	$11 + \underline{\quad} = 100$	$22 + \underline{\quad} = 100$
	$100 - 24 = \underline{\quad}$	$100 - 69 = \underline{\quad}$	$100 - \underline{\quad} = 13$	$100 - \underline{\quad} = 81$