Engage



Introduce

## Key Learning: to use bonds within 10 to identify bonds within 20

## Success Criteria:

I can recall number bonds within 10

I can see a pattern between bonds within 10 and within 20

I can use my number bond knowledge to find number bonds within 20

I can record different bonds within 20

I can set my work out correctly with one digit in a square



| number bond | sum   | commutative | pattern |
|-------------|-------|-------------|---------|
| part        | whole | ten         | similar |



## What do you notice?

$$3 + 2 = 5$$
 $13 + 2 = 15$ 

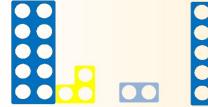
$$2 + 1 = 3$$
  
 $2 + 11 = 13$ 

We can use our bonds within 10 to help us learn our bonds within 20!

If our whole has a 10 more, we just add 10 to **one** of our parts. PecaP

$$3 + 2 = 5$$

$$13 + 2 = 15$$



$$2 + 1 = 3$$

$$2 + 11 = 13$$





Now it's your turn...

Practise and consider

What number bond is represented in the pictures?

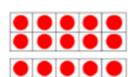
|  | lacktriangle |  |
|--|--------------|--|

There are \_\_\_ red counters.

There are \_\_\_ blue counters.

Altogether there are \_\_\_ counters.





There are \_\_\_ red counters.

There are \_\_\_ blue counters.

Altogether there are \_\_\_ counters.



Eva writes this calculation: 18 - 5 = 13Which of the following could she use to check her work?

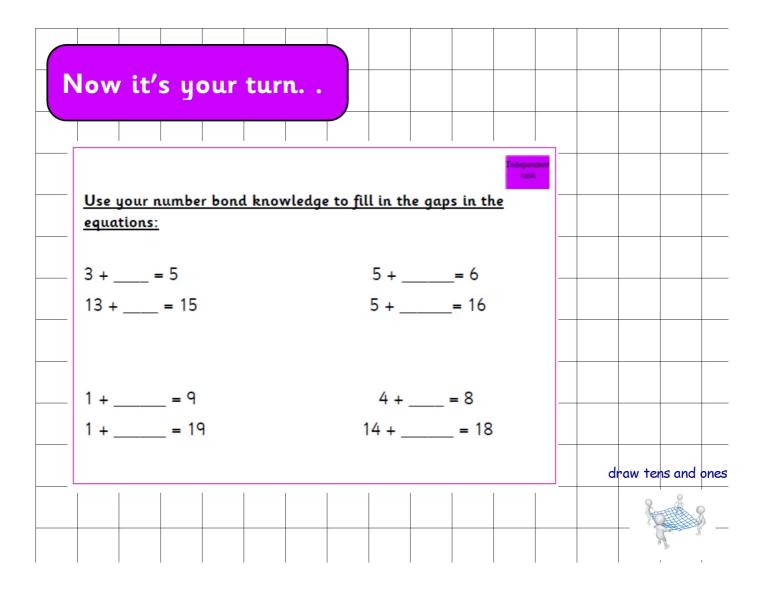
$$13 + 5$$
  $13 - 5$   
 $18 - 13$   $5 + 13$ 

$$18 - 13$$
  $5 + 13$ 

Going Deeper

Which number bond within 10 could she also use to check her work?

$$3+5=8$$
,  
because then we also know that  
 $8-5=3$ 



## Deepening

