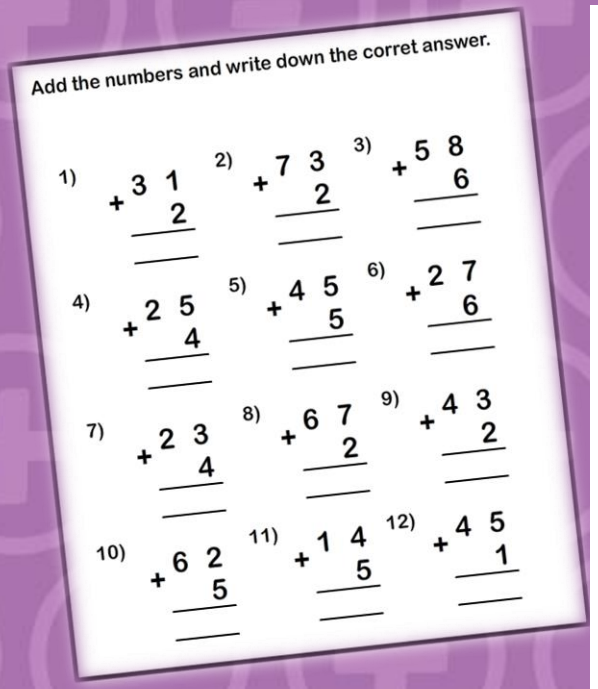
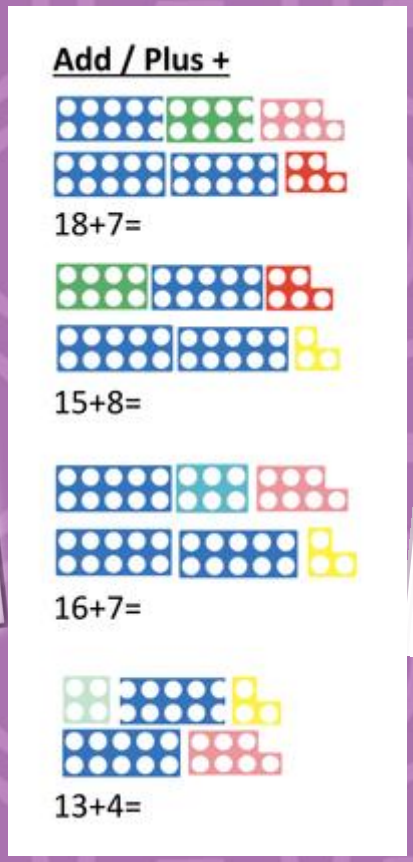
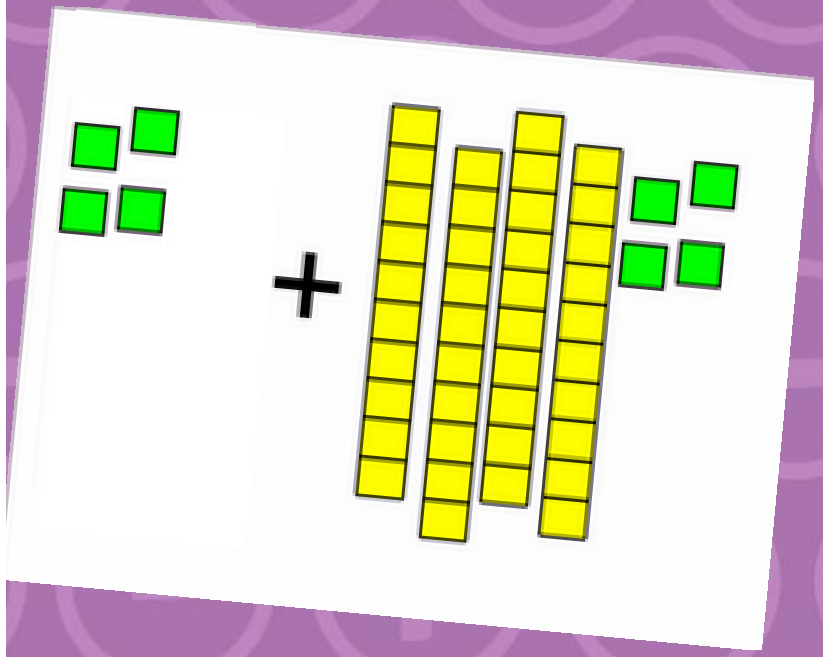






LO: I can add two digits and 1 digit.

Aim

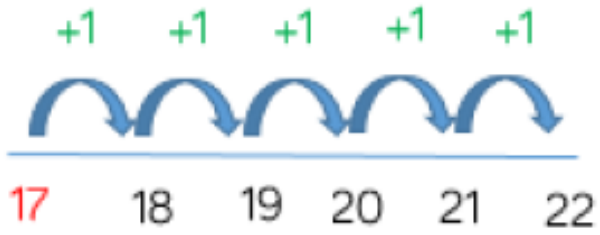
- LO: I can add two digits and 1 digit.

Success Criteria

- I can apply number bonds
- I can use manipulatives to support my understanding
- I can use a number line to show my working
- I can share my working out using formal methods

Let's do it together...

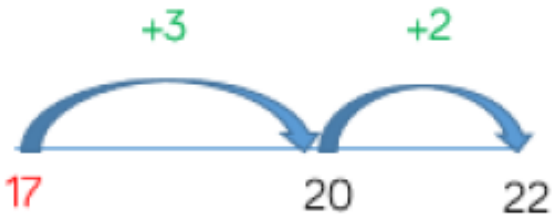
17 + 5 =



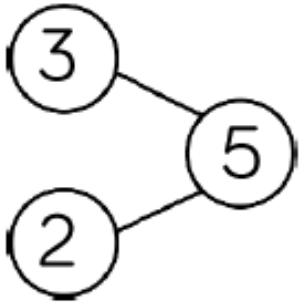
Can you put the larger number in your head and count on the smaller number? Start at 17 and count on 5

Is there any easier way?

Can we use number bonds to solve the addition more efficiently?



We can partition 5 into 3 and 2 and use this to bridge the 10



I know that 17 and 3 are a number bond to 20, so it's just 2 more!

Using bonds to help...

Find the total of 28 and 7

I know that 5 can be split into 5 and 2!

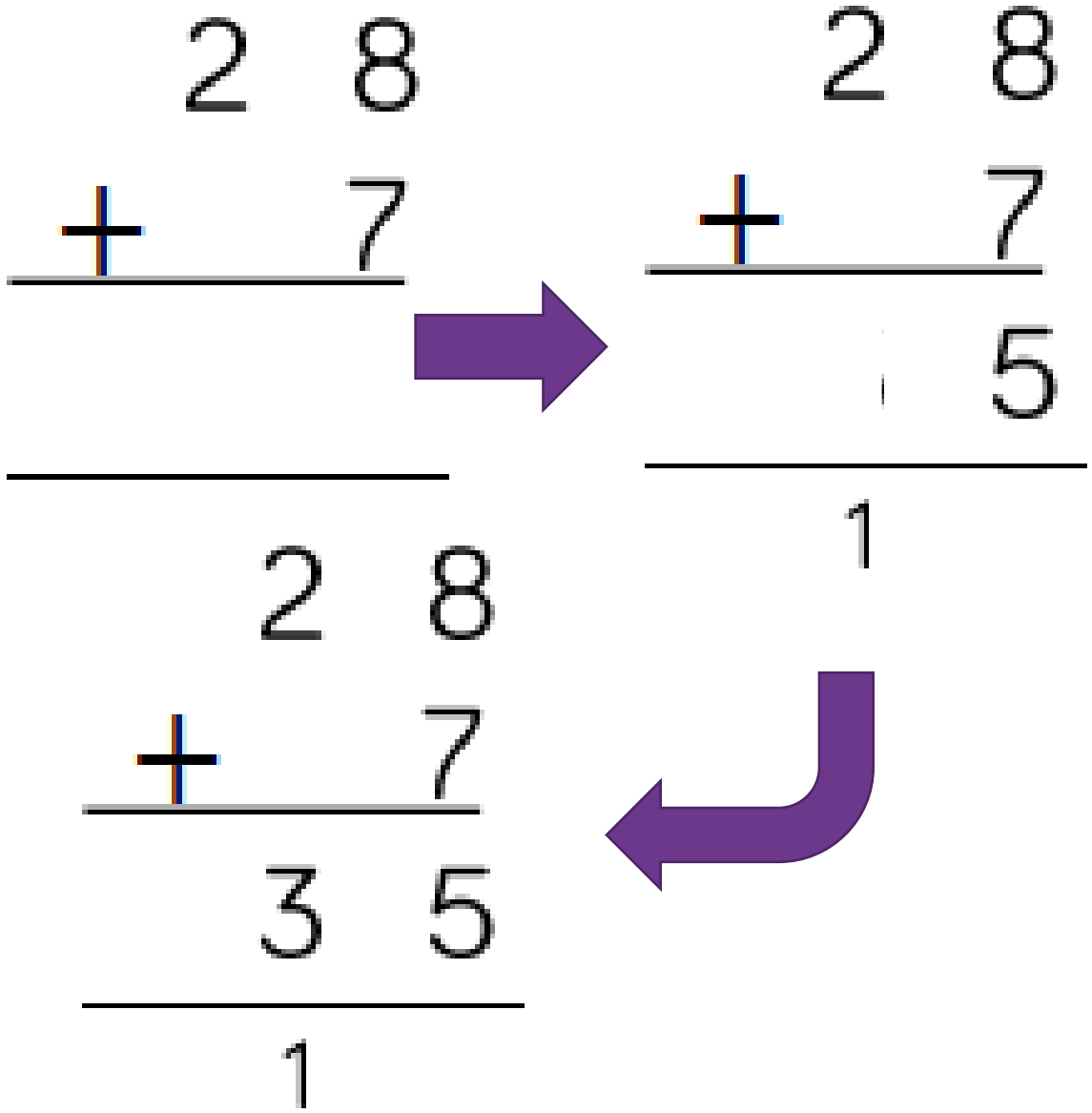
28 + 2 =

Then it's just 5 more...

Let's prove it using column method..

Watch carefully...

Start adding the ones first. We've made 10! So we need to exchange our ten 1s for one 10!



34 + 9

I know that 9 can be split into 6 and 3.

34 add 6 is… then it's just 3 more!

Column method

Let's prove it using column method- write the question out in your book- remember 1 digit per square!

$$\begin{array}{r} 34 \\ +\ 9 \\ \hline \end{array}$$

Let's have a go...

57 + 6

I know that 6 can be split into 3 and 3.

57 add 3 is... then it's just 3 more!

Column method

Let's prove it using column method

$$\begin{array}{r} 57 \\ +\ 6 \\ \hline \\ \hline \end{array}$$

Don't forget to carry the new 10 over to the tens column!!

Let's have a go...

28 + 4

I know that 4 can be split into 2 and 2.

28 add 2 is... then it's just 2 more!

Column method

Let's prove it using column method

$$\begin{array}{r} 28 \\ +\ \ 4 \\ \hline \\ \hline \end{array}$$

Let's have a go...

43 + 9

If I'm trying to make a new 10, what would I add to 43? Think of your bonds to 10...

What could I split 9 into to make my calculation quicker?

43 + then it's just more!

Let's prove it using column method

$$\begin{array}{r} 43 \\ +\ 9 \\ \hline \\ \hline \end{array}$$

Don't forget to carry the new 10 over to the tens column!!

Can we think of the bonds that will make a new 10 by splitting our ones?

Let's discuss each then do column method to prove our answers...

Complete the additions.

a) 14 + 9 = ☐

b) 18 + 4 = ☐

c) 19 + 6 = ☐

d) 7 + 15 = ☐

e) 4 + 19 = ☐

f) 18 + 3 = ☐