

Year 2

Adding a multiple of 10 to a 2 digit number.

Concrete - This means using objects.

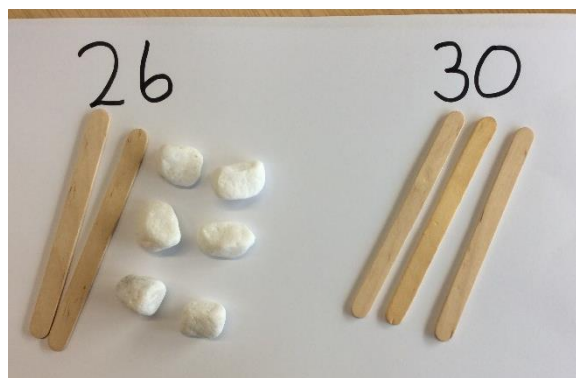
Objects you could use at home:

buttons, stones, sticks, beads, lolly sticks, Lego blocks, pencils, small toys, pom poms

Steps to success:

- Collect some objects from home that you can use.
- Write down the numbers from your number sentence.
- Choose the correct number of objects to match each number. When you are representing a 2 digit number use objects to represent the tens and the ones. You could use a longer object like a stick, pencil or lolly stick to represent the tens and smaller objects for the ones.
- Count the total of your objects. Remember to count the tens first and then the ones.

An example for you:



I have represented the number 26 using tens and ones. 24 has two tens so I used two lolly sticks and I used six stones to show the ones.

I represented the number 30 using three tens.

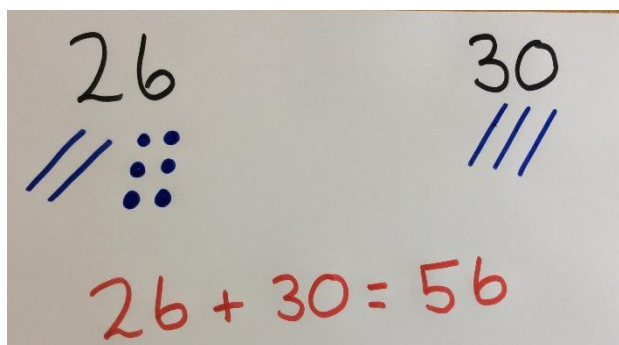
The **total** number being represented is 56. Altogether I have 5 tens and 6 ones.

Pictorial - This means using drawings or representations.

Steps to success:

- Find your exercise book.
- Write down the numbers from your number sentence.
- Represent each number using jottings. Remember to draw the tens and ones for a 2 digit number.
- Count the total. Remember to count the tens first.
- Represent this as an addition number sentence.

An example for you:

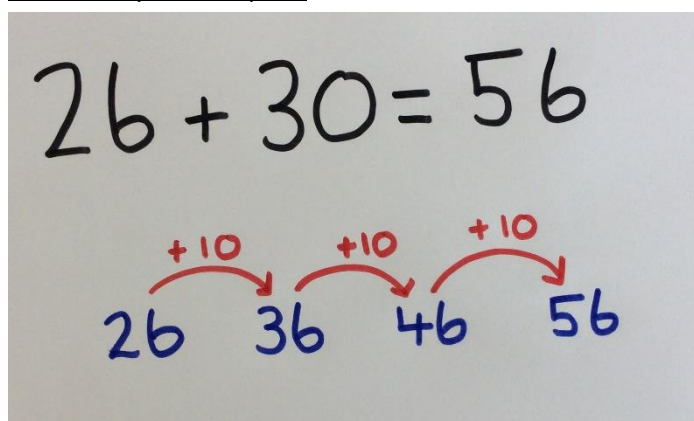


Abstract - This means doing the calculation mentally in your head.

Steps to success:

- Find your exercise book.
- Write down your number sentence.
- Use a hundred square to add the numbers.
- Or add the numbers in your head by counting on. To add a multiple of 10 you can count on in steps of 10.

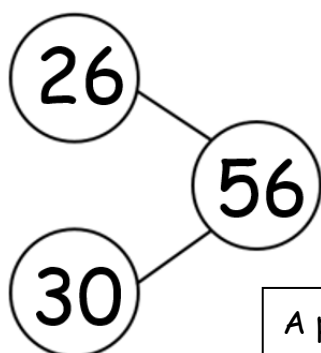
An example for you:



I know that the number 30 is three tens.

I started at the number 26 and counted on three lots of ten.

Other ways to represent adding a 1 digit number to a 2 digit number.



A part whole model.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

100 square

Try these yourself. What will you use to help you?

$$34 + 30 =$$

$$56 + 40 =$$