



Maths Knowledge Organiser: Addition Year 1

Vocabulary:

tens
ones
digit
place
value
tens frame
counter /
button
numberbond
numberline

Addition:

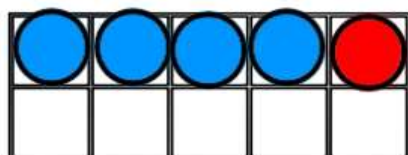
Add,
more,
plus,
make,
sum,
total,
+
altogether

Equals,
Is equal to
Is the
same as
=

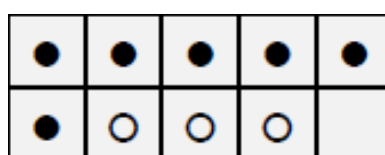
Add a single digit number **not crossing** 10.

First number is blue or filled in if we draw.

Make it (Concrete)



Draw it (Pictorial)

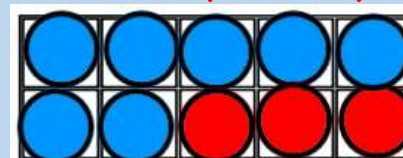


$$4 + 1 = 5$$

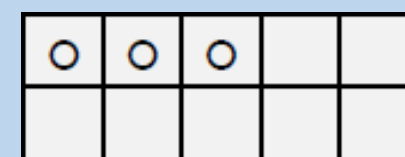
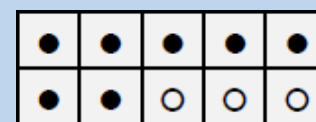
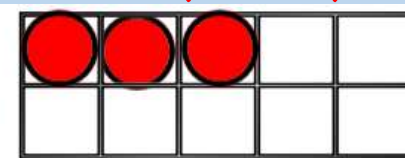
Add two single digit numbers **crossing** 10.

Adding the single digit with two tens frames.

Make it (Concrete)



Draw it (Pictorial)



$$7 + 6 = 13$$

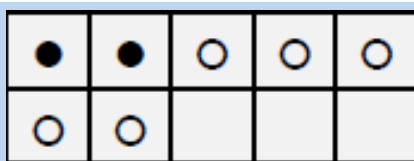
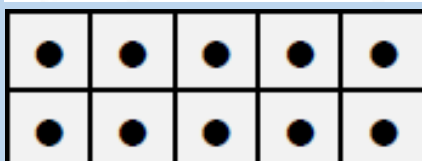
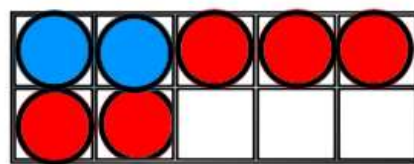
Adding a single digit to a two digit number

Adding the single digit with two ten frames.

Make it (Concrete)

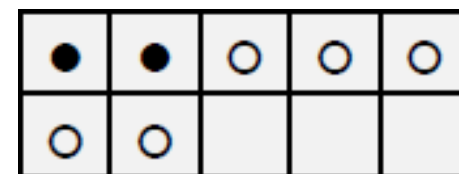
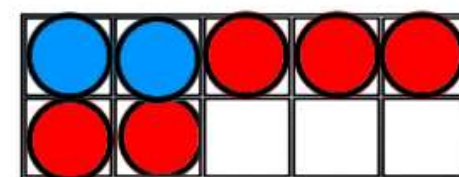


Draw it (Pictorial)



$$12 + 5 = 17$$

Using base 10 to represent the ten.



$$12 + 5 = 17$$



Maths Knowledge Organiser: Addition Year 2

Vocabulary:

tens
ones
digit
place
value
tens frame
numberbond
numberline

Addition:

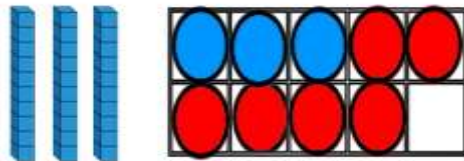
Add,
more,
plus,
make,
sum,
total,
+
altogether

Equals,
Is equal to
Is the
same as
=

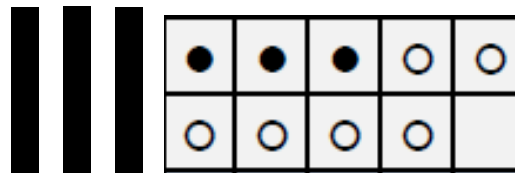
Two digit add one digit **not crossing** ten.

Adding the single digit using a tens frame and base 10.

Make it (Concrete)



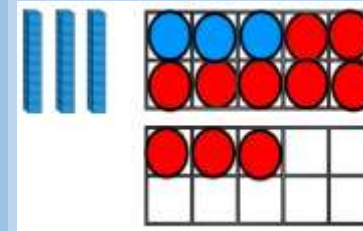
Draw it (Pictorial)



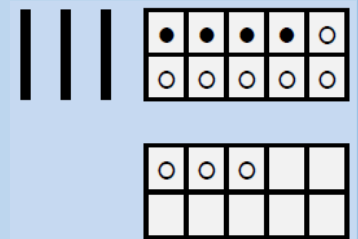
$$33 + 6 = 39$$

Two digit add one digit **crossing** ten.

Make it (Concrete)



Draw it (Pictorial)

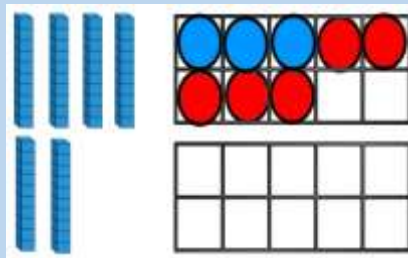


$$33 + 9 = 43$$

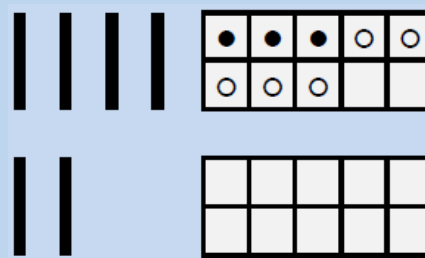
Two digit add two digit **not crossing** ten.

Using Base 10 and counters

Make it (Concrete)



Draw it (Pictorial)

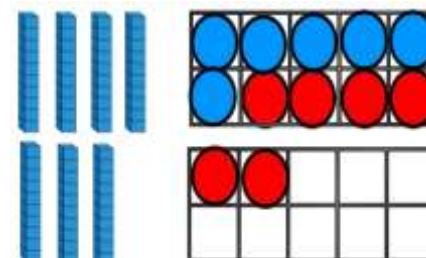


$$43 + 25 = 68$$

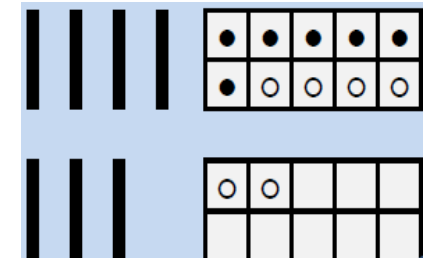
Two digit add two digit **crossing** ten.

Using Base 10 and counters

Make it (Concrete)



Draw it (Pictorial)



$$46 + 36 = 82$$