Calculation Policy

This calculation policy has been written in consultation with Dinglewell Junior School. Our progression is presented in Year Groups to match the current National Curriculum expectations. Children working outside of their Year Group expectations will use those above/below as appropriate. A copy of the Junior School Policy is attached for those children working beyond Year 2 expectations.

Policy reviewed January 2026

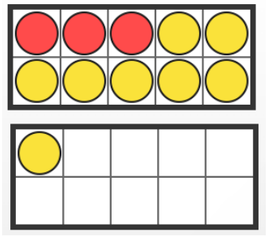
How shall I add?
Year 1

4 + 1, 6 + 3, 10 + 4
Number facts
Single digit numbers
Doubles
Ten and single digits

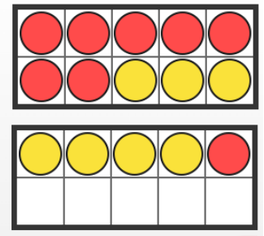
I just knew it!

3 + 7
Use known addition facts

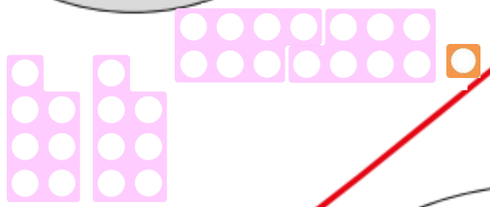
If I know 3 + 7 = 10
then I know
3 + 8 = 11
because it is 1 more



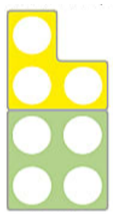
7 + 8
Use near doubles

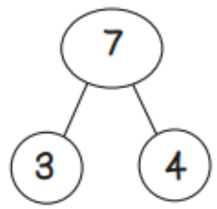


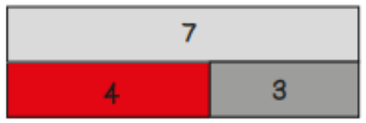
If I know 7 + 7 = 14
then I know
7 + 8 = 15
because it is 1 more

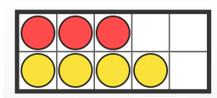


7 = 3 + 4
Secure addition bonds of single digits and ten



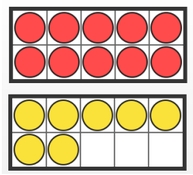


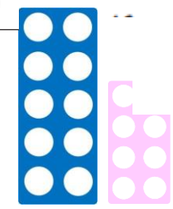


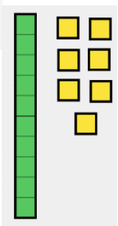


7 + 10
Add ten

34	35	36	37	38	39
24	25	26	27	28	29
14	15	16	17	18	19
4	5	6	7	8	9



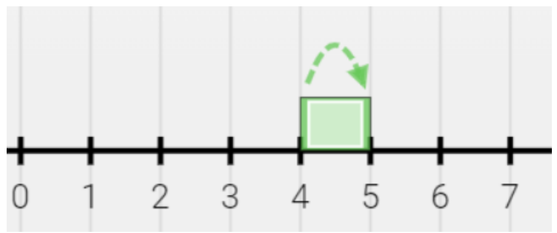




Notice the relationships

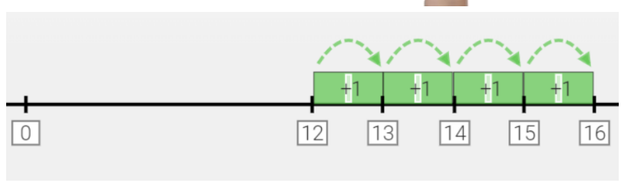
24 + 1
Find one more

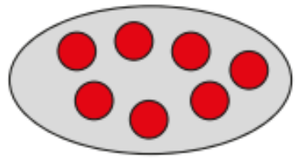
1 more than 4 is 5
1 more than 14 is 15
1 more than 24 is 25



12 + 4
Counting on in 1s

Put 12 in my head
and count on ...





7 + 4
Count all

Then, count on from largest number
7...8, 9, 10, 11

CanDoMaths

How shall I add?
Year 2

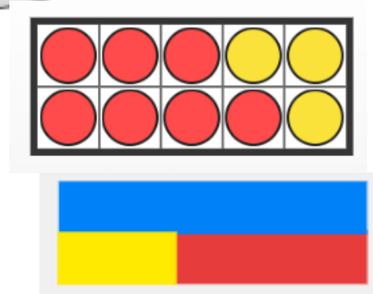
8 + 7, 9 + 9, 14 + 3
Number facts
Single digit numbers
Doubles
Teens and single digits

I just knew it!

13 + 17
Use known facts
30 + 70

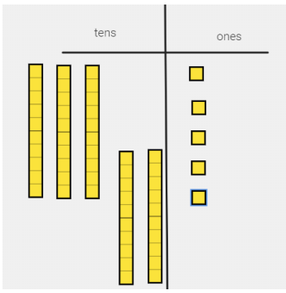
If I know 3 + 7 = 10
then I know
3 tens + 7 tens = 10 tens

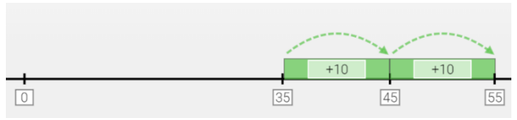
If I know 3 + 7 = 10
then I know
13 + 17 is 2 tens more



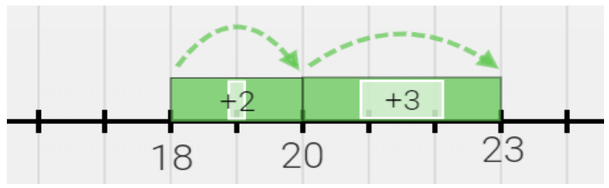
35 + 20
Add multiples of ten

If I know 3 + 2 = 5
then I know
3 tens + 2 tens = 5 tens
so 30 + 20 =50

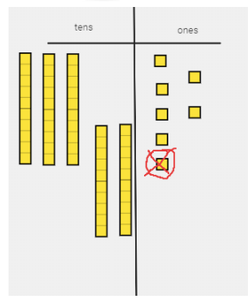




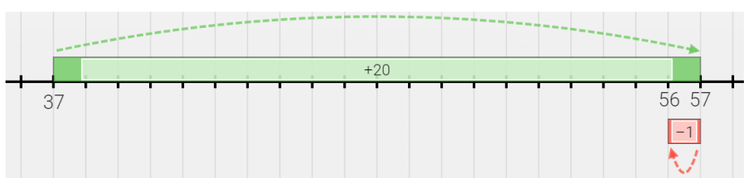
5 + 18
Greatest number first
then bridge



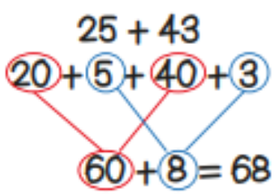
37 + 19
Round then adjust

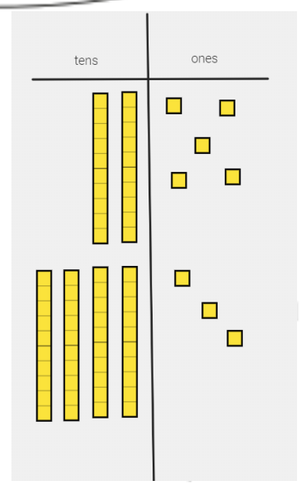


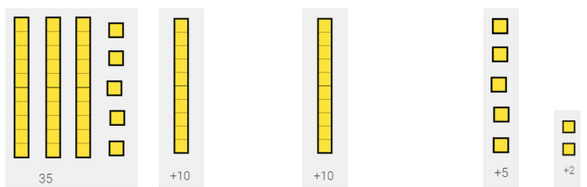
Add 20 then subtract 1

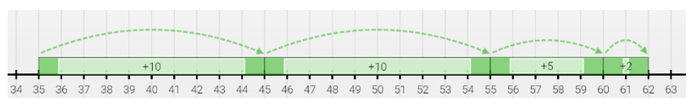


25 + 43
Partition and recombine









35 + 27
Count on in tens then ones

CanDoMaths

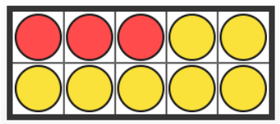
How shall I subtract?
Year 1

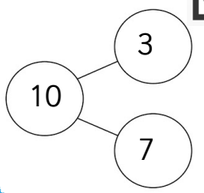
5 - 1, 7 - 3, 10 - 6
Number facts
Single digit numbers
Teens subtract single digits

I just knew it!

3 + 7
Use known addition facts to derive subtraction facts

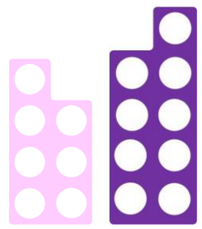
If I know 3 + 7 = 10
then I know
10 - 3 = 7

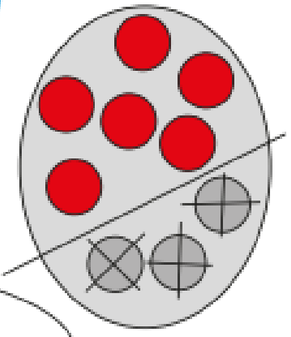




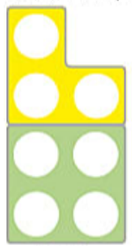
9 - 7
Find the difference between two numbers

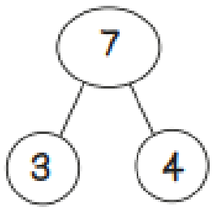
9 is 2 more than 7
7 is 2 less than 9 so the difference between 7 and 9 is 2

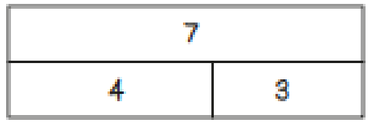


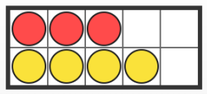


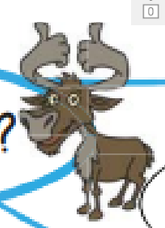
7 - 3 = 4
Secure subtraction facts of single digits and ten











9 - 3
Take away

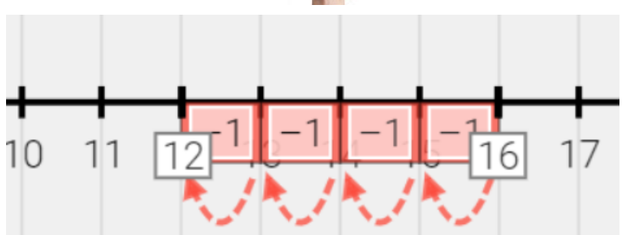
Notice the relationships

23 - 1
Find one less

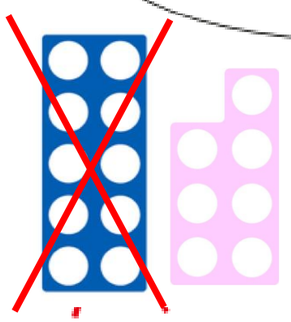
1 less than 4 is 3
1 less than 14 is 13
1 less than 24 is 23

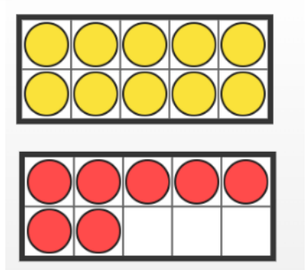
16 - 4
Counting back in 1s

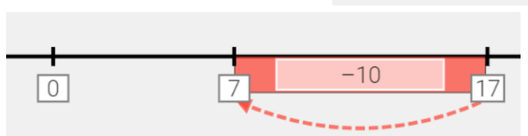
16 in my head...
15, 14, 13, 12



17 - 10
Take away ten







CanDoMaths

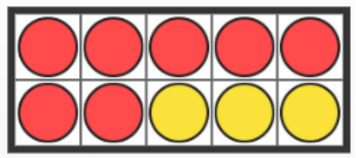
How shall I subtract?
Year 2

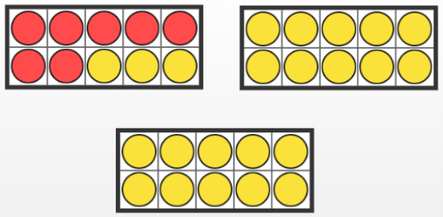
9 - 4, 13 - 5, 18 - 9
Number facts
Single digit numbers
Halves
Teens and single digits

I just knew it!

30 - 7
Use known facts
100 - 70

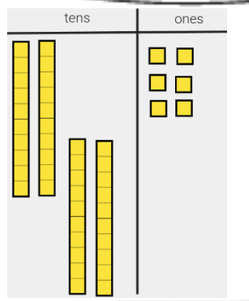
If I know 10 - 7 = 3
then I know
30 - 7 is 2 tens and 3

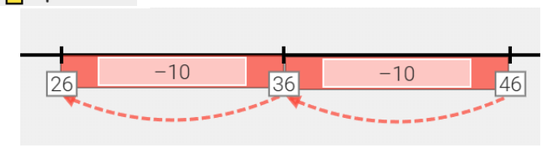




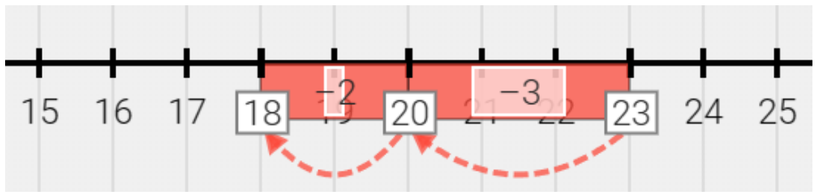
46 - 20
Count back: multiples of ten

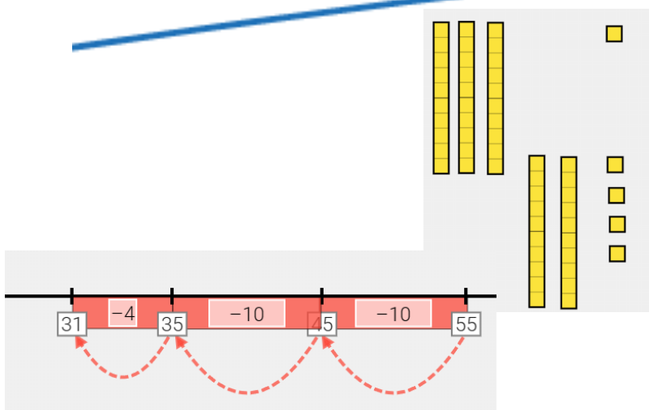
If I know 4 - 2 = 2
then I know
4 tens - 2 tens = 2 tens
so 40 - 20 = 20





23 - 5
Count back: bridge through a multiple of ten

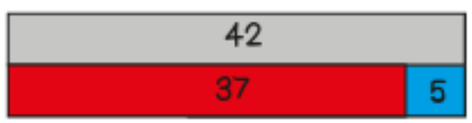


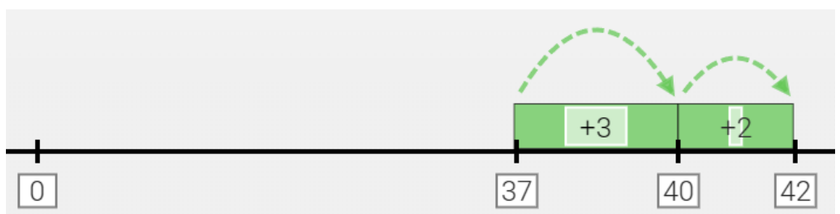


55 - 24
Count back in tens then ones

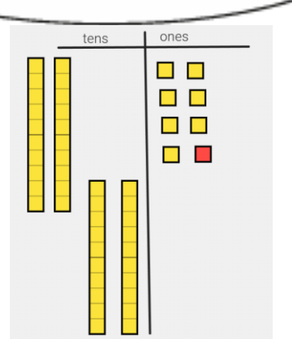
42 is 5 more than 37,
37 is 5 less than 42 so
the difference between
37 and 42 is 5

42 - 37
Find the difference between two numbers

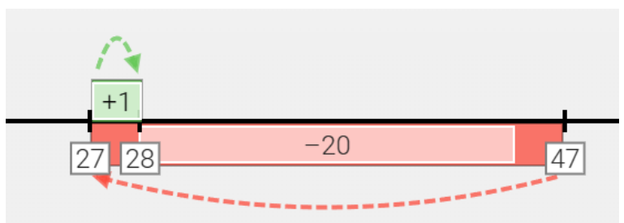




47 - 19
Round then adjust



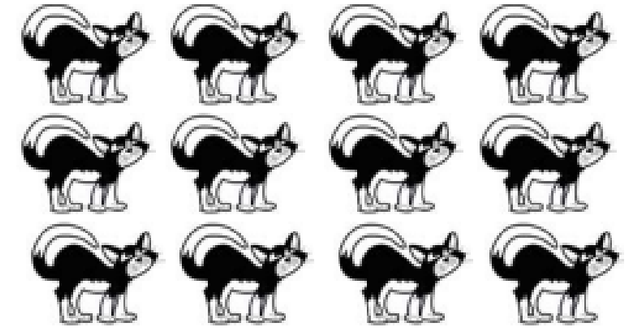
Take away 20 then add 1



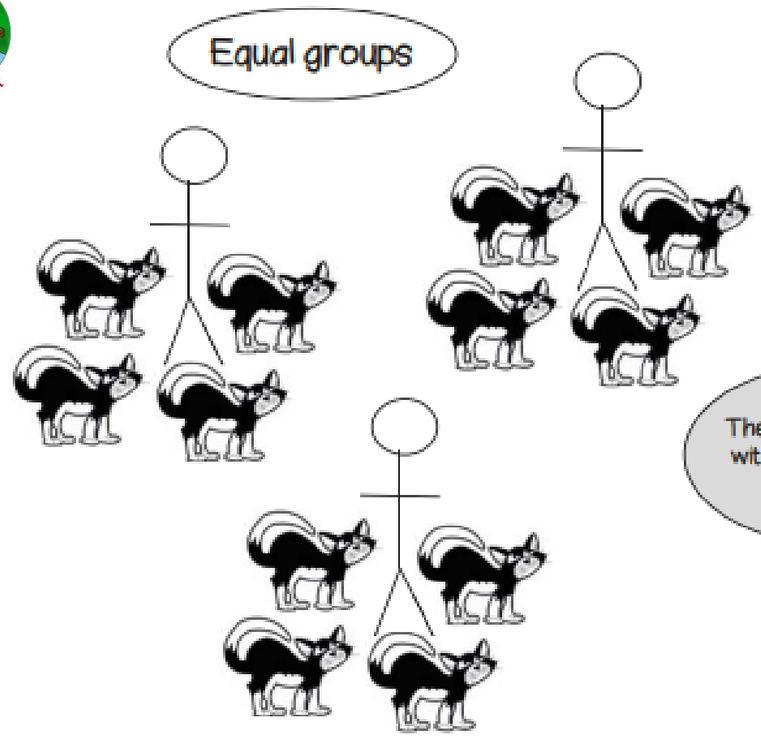
CanDoMaths

How shall I multiply?
Year 1

3 people each have 4 cats.
How many cats are there in total?



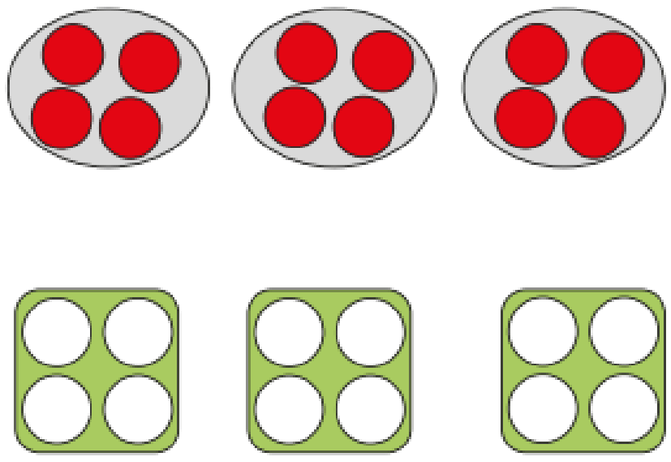
Equal groups



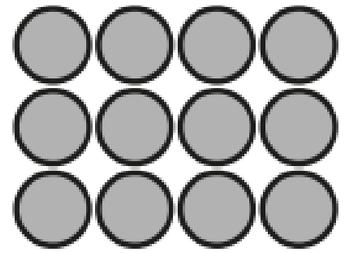
There are 3 groups with 4 cats in each group

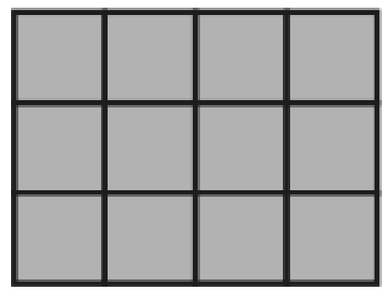
Count in ones

1,2,3,4,5,6,7,8,9,10,11,12

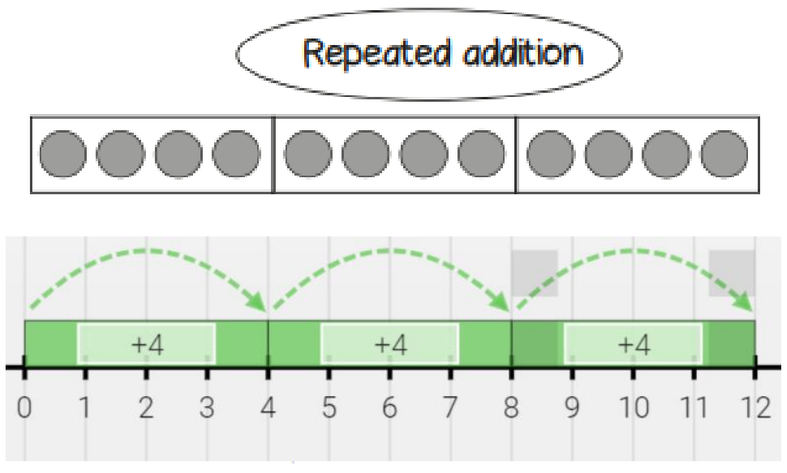


Arrays





Repeated addition



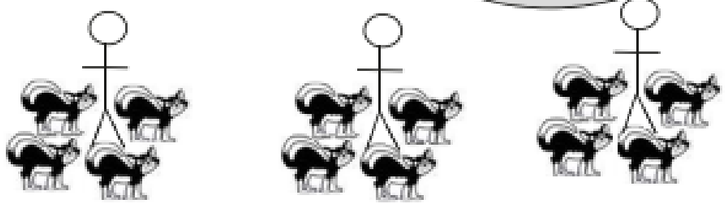
4 + 4 + 4 = 12

How shall I multiply? Year 2

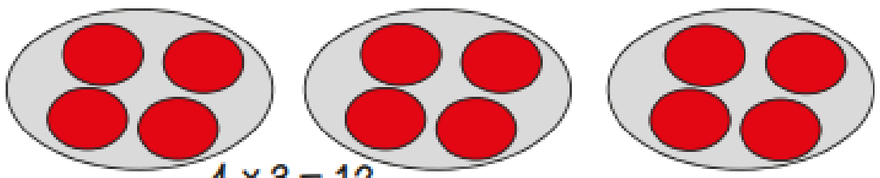
3 people each have 4 cats. How many cats are there in total?

Equal groups

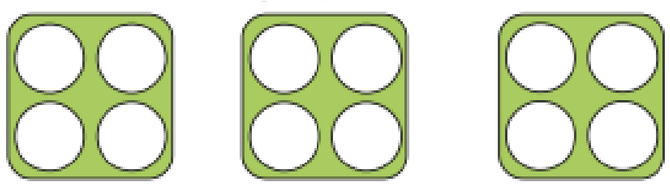
There are 3 groups with 4 cats in each group



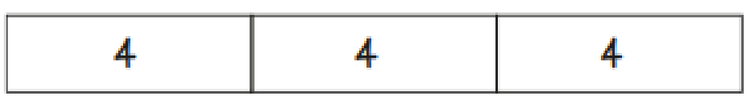
Four cats, multiplied by 3

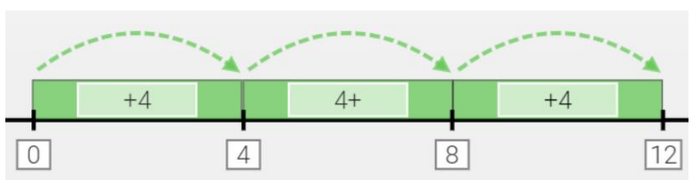


4 x 3 = 12



Repeated addition





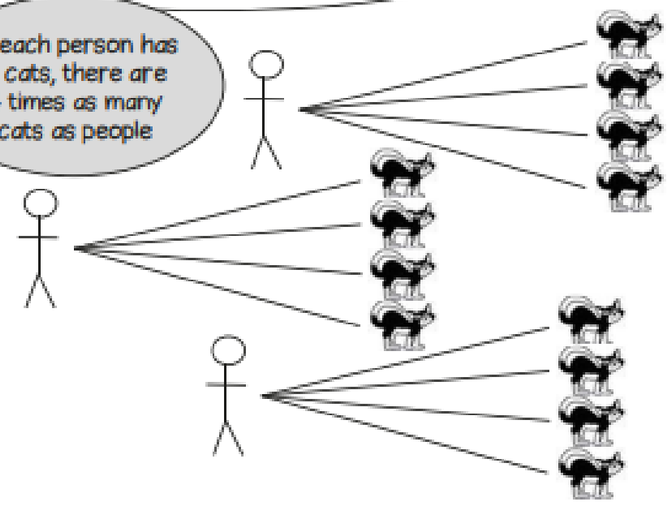
4 + 4 + 4 = 12

Recall of 2x, 5x and 10x tables

People	Cats
1	4
2	8
3	12

One to many correspondence

If each person has 4 cats, there are 4 times as many cats as people



How shall I multiply? Year 2

Count in ones

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

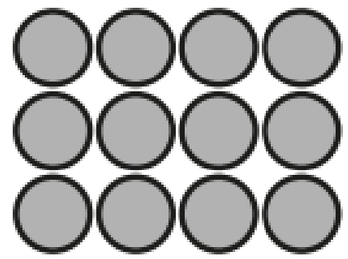
Count in twos

2, 4, 6, 8, 10,12

Use a known fact

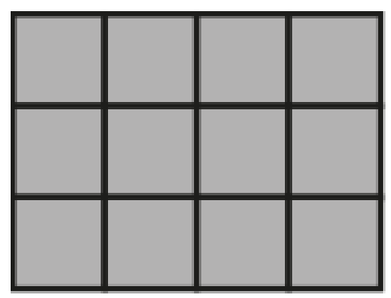
If 2 x 3 is 6, then
4 x 3 is double 6.

Arrays



4 x 3 = 12

3 x 4 = 4 x 3



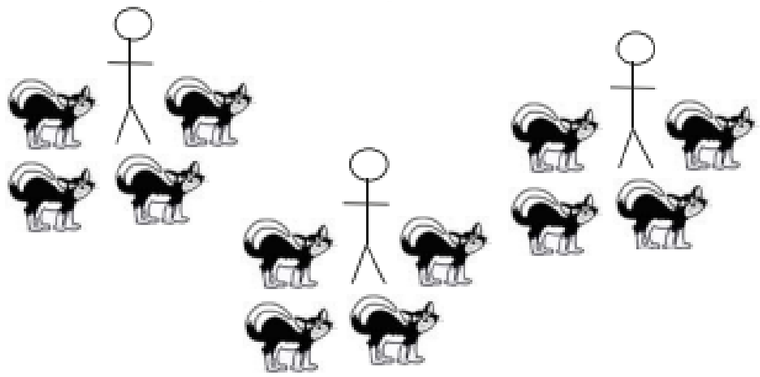
How shall I divide?
Year 1

$12 \div 3 = 4$

Sharing

12 shared into 3 equal groups

There are 12 cats.
Three people each have the same number of cats.
How many do they have each?

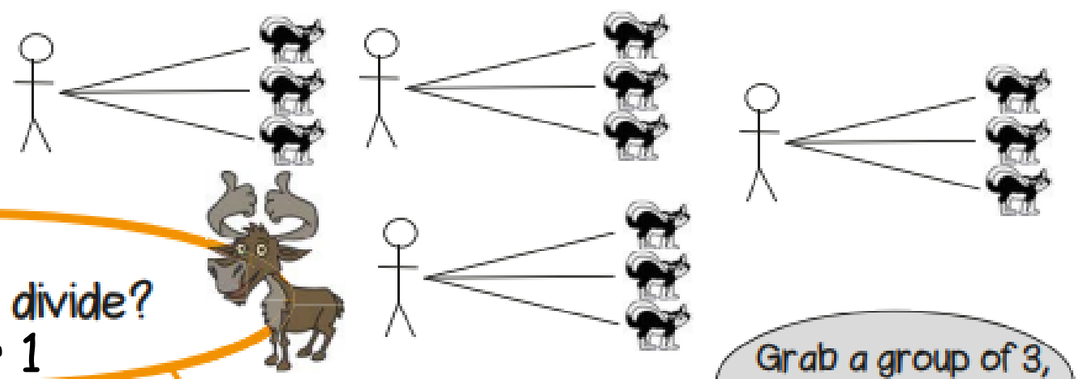


1 for you, 1 for you, 1 for you...

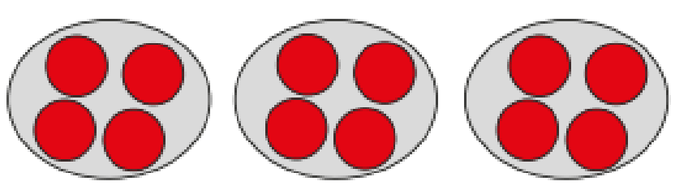
Grouping

How many groups of 3 are there in 12?

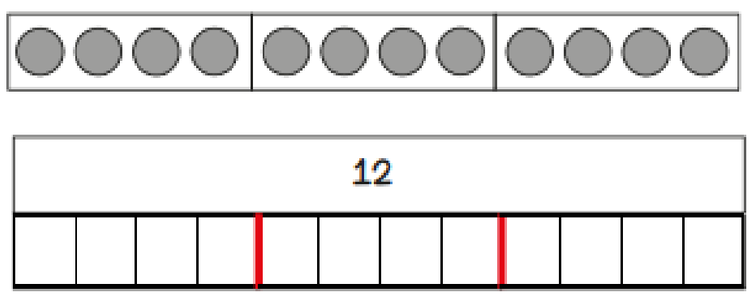
There are 12 cats.
Each person owns 3 cats.
How many people are there?



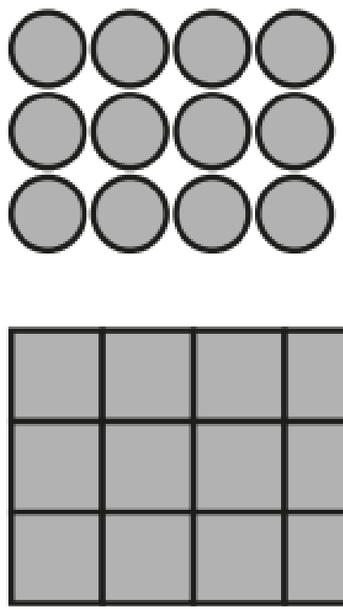
Grab a group of 3, grab a group of 3...

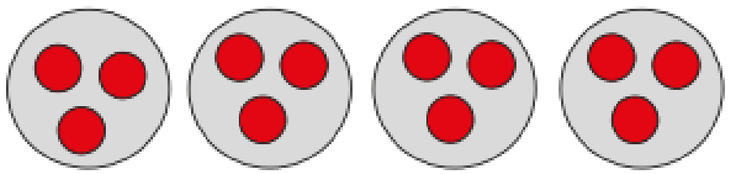


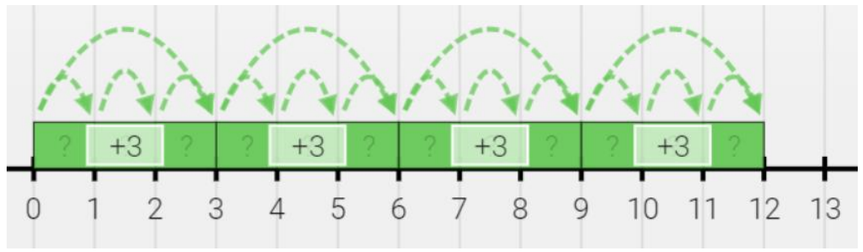
Bar model



12 can be described as 3 columns of 4 or 4 rows of three







CanDoMaths

How shall I divide?
Year 2

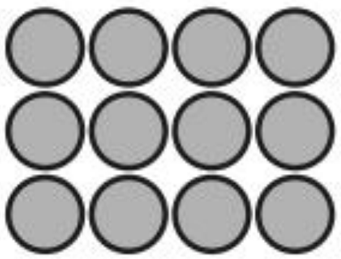
$12 \div 3 = 4$

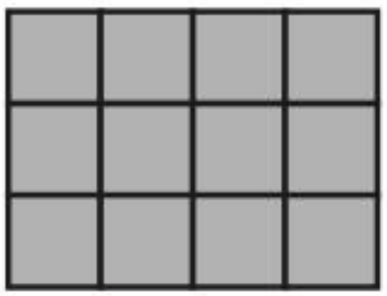
Recall and use 2x, 5x and 10x tables

1 for you, 1 for you, 1 for you...

Grab a group of 3, grab a group of 3...

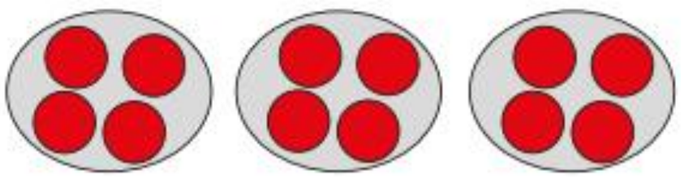
12 can be described as
3 columns of 4
or 4 rows of three



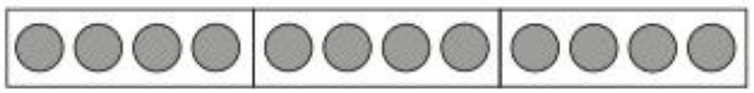


Sharing — 12 shared into 3 equal groups

There are 12 cats.
Three people each have the same number of cats.
How many do they have each?



Bar model

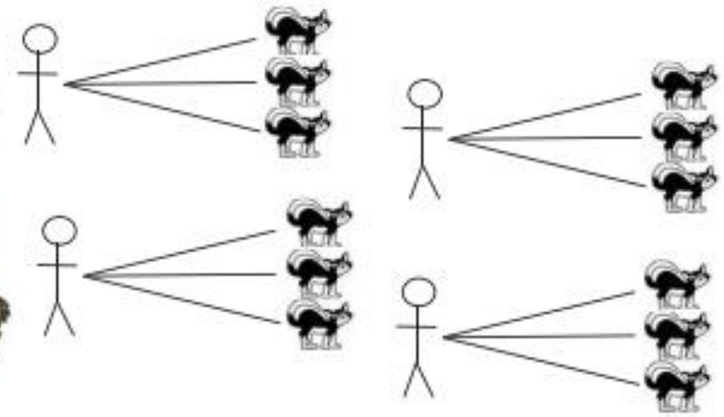


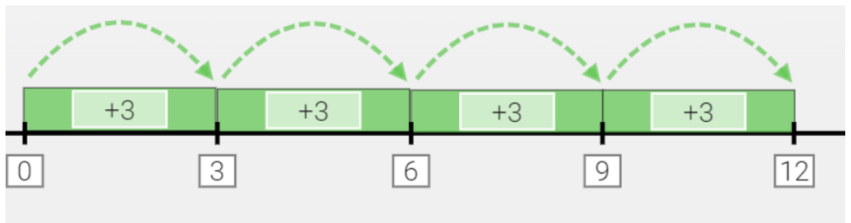
12		
4	4	4

Link to fractions.
One third of 12 is 4

Grouping — How many groups of 3 are there in 12?

There are 12 cats.
Each person owns 3 cats.
How many people are there?





If I know 3 x 4 = 12
then I know 12 ÷ 3 = 4