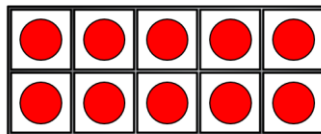
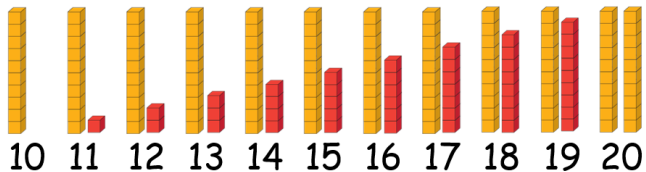


Year 1 Number and Place Value to 20

Count on from 10

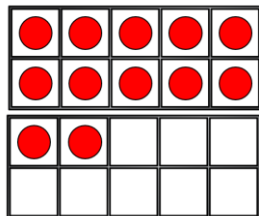


The ten frame is full,
so I know that I have made 10

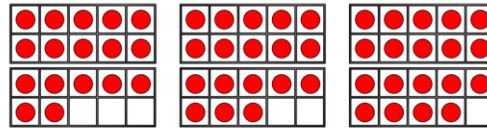
Vocabulary
One two....to
twenty
Greater than
less than
more than
equivalent
different ways
tens ones
numerals
words same
different 1
more 1 less
number line
estimate order
compare
represent equal
to < > =
subitise

10 ten
11 eleven
12 twelve

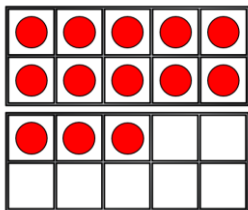
13 thirteen
14 fourteen
15 fifteen
16 sixteen
17 seventeen
18 eighteen
19 nineteen



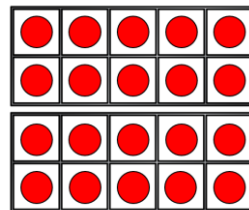
12 has 1 ten and 2 ones.



17 18 19



13 has 1 ten and 3 ones.

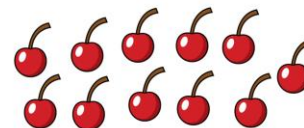


There are 2 tens in 20

One more, one less

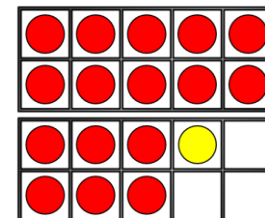


Max has 11 cherries.



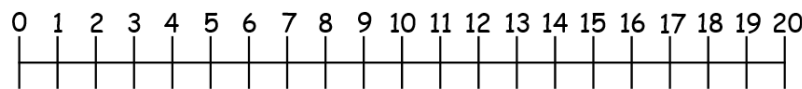
He eats 1 cherry.
How many does he have now?

1 less than 11 is 10



1 more than 16 is 17
17 is 1 more than 16

Numberline to 20



14 has 1 ten and 4 ones.



15 has 1 ten and 5 ones.

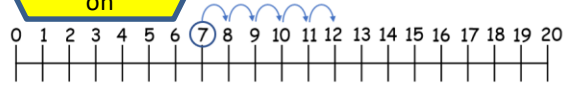


16 has 1 ten and 6 ones.



Year 1 Addition and Subtraction to 20

Add by counting on



To work out $7 + 5$, I will count on from 7

$7 + 5 = 12$

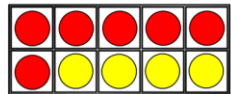
Add ones by using number bonds



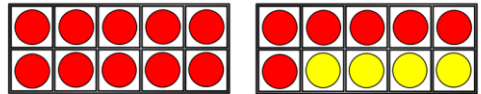
$15 + 4 = 19$

5 and 4 are a number bond to 9,
So 15 and 4 are a number bond to 19

Using number bonds to add to 20



$6 + 4 = 10$



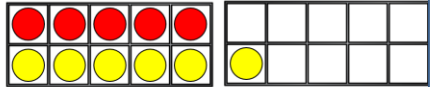
$16 + 4 = 20$

Doubles

Number	Double
1	2
2	4
3	6
4	8
5	10
6	12
7	14
8	16
9	18
10	20

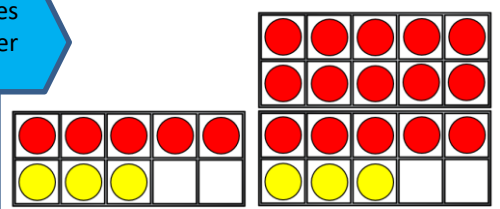
Use near doubles

Use doubles to work out near doubles.
 $5 + 6$



6 is 1 more than 5, so I can work out double 5 and then add 1

Subtract ones using number bonds

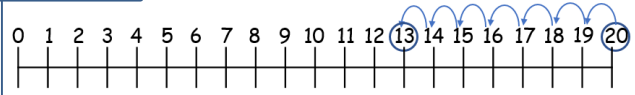


$8 - 3 = 5$

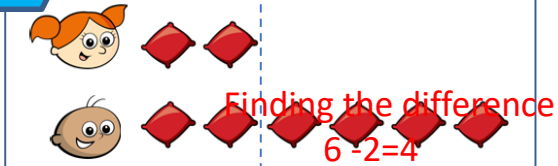
$18 - 3 = 15$

Subtraction by counting back

$20 - 7$



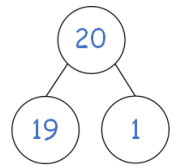
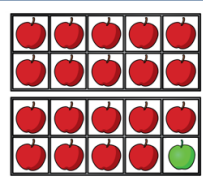
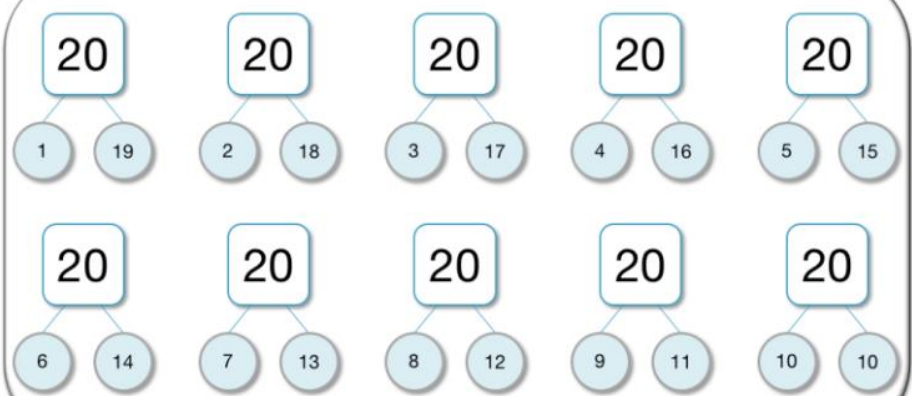
Finding the Difference



The difference between 6 and 2 is 4

Vocabulary
 Addition add
 plus total
 altogether total
 how many more?
 counting on
 subtraction subtract minus
 take
 counting back
 number bonds
 doubles
 near doubles
 one more
 one less
 number sentence
 find the difference
 difference
 patterns
 same
 different
 missing number
 fact family

Fact Families



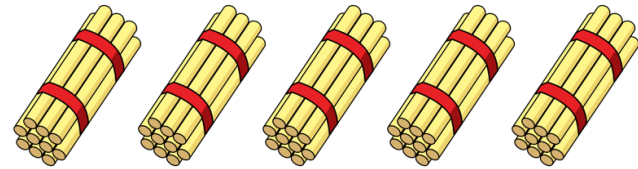
$19 + 1 = 20$
 $1 + 19 = 20$

$20 - 19 = 1$
 $20 - 1 = 19$



Numbers to 50

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



There are 50 ones in 50

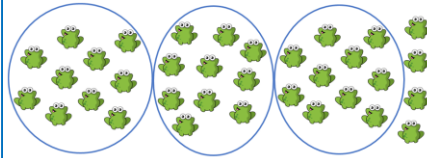
There are 5 tens in 50

Base 10	Number	How many tens?
	10	1 ten
	20	2 tens
	30	3 tens
	40	4 tens
	50	5 tens

Year 1 Place Value (within 50)

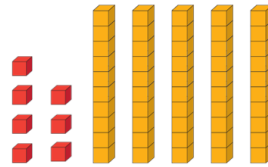
Tens and Ones

How many frogs?



There are 3 groups of ten frogs and 4 more frogs.

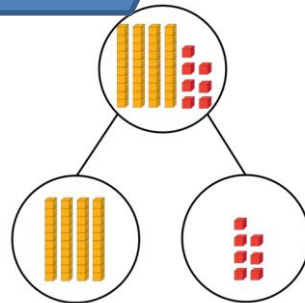
There are 34 frogs in total.



I have 5 tens and 7 ones.

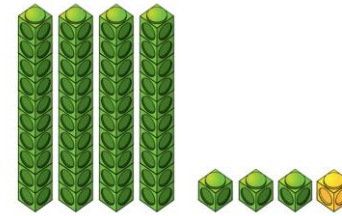
I have 57 in total.

Partition tens and Ones

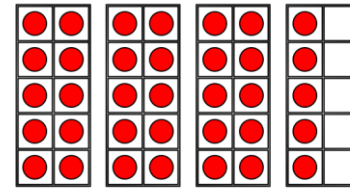


40 is a part and 7 is a part.
47 is the whole.

1 more
1 less



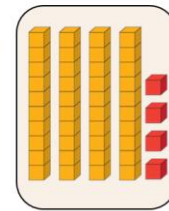
One more than 43 is 44



One less than 35 is 34

1 less

43



1 more

45

Number lines



The first number on the number line is 30

The last number on the number line is 40

The number line is going up in 1s

Vocabulary

Counting on
forwards
backwards
after before
ones tens
groups of
tens frame
one, two.....to
50.

partition
number line
estimate
1 more
1 less
whole part
number line
less than
greater than
half way
closer to

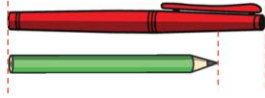


Compare length and height

Year 1 Length and Height

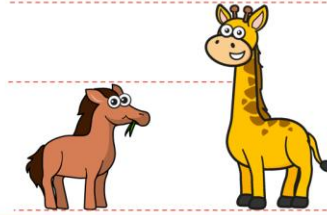
Vocabulary

longer
shorter
taller
difference
is the same
is equal to
compare
measure
unit of
measure
centimetre
cm
length
height



The pen is **longer** than the pencil.

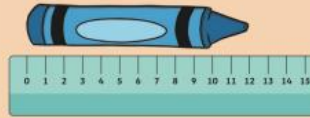
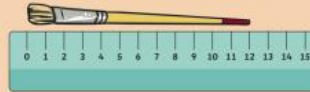
The pencil is **shorter** than the pen.



The giraffe is **taller** than the horse.

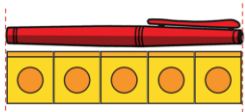
The horse is **shorter** than the giraffe.

The same length.



Measure length using objects

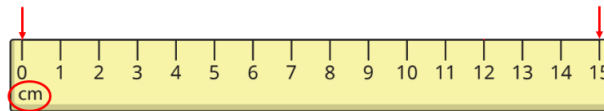
How long is the pen?



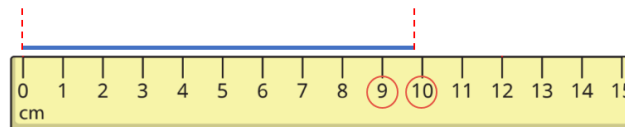
The pen is **5** cubes long.

Measure length in centimetres

We can measure length and height in **centimetres** using a **ruler**.

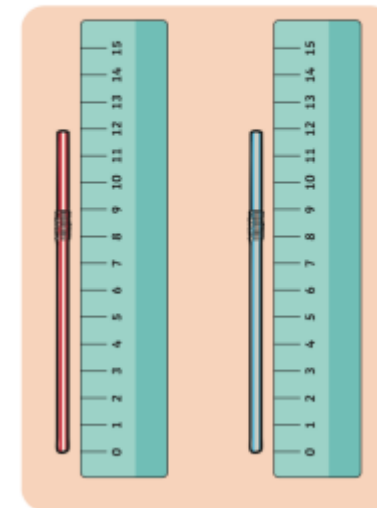


How long is the line?



The line is 10 cm long to the nearest centimetre.

The same height.





Heavier
and
Lighter

Year 1
Mass and Volume (page 1)

Vocabulary
heavier
lighter
balance scale
mass
unit of
measure
full empty
nearly empty
nearly full
contains
capacity
compare
volume
more than
less than
unit of
measure



The scales are balanced.

Which object is heavier?



The pear is **heavier** than the sweet.

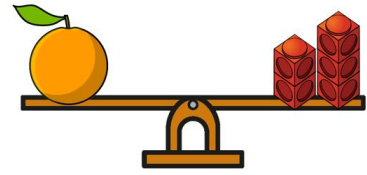


The grape is **lighter** than the orange.



The bottle is **heavier** than the leaf.
The **mass** of the bottle is **greater**
than the **mass** of the leaf.

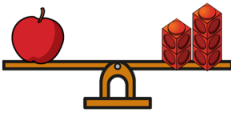
Measure
Mass



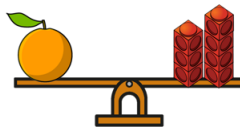
The mass of the orange is **5** cubes.

Compare
Mass

The mass of the apple is **5** cubes.



The mass of the orange is **7** cubes.



5 < 7

The **mass** of the apple is **less**
than the **mass** of the orange.

The apple is **lighter** than the orange.



Capacity

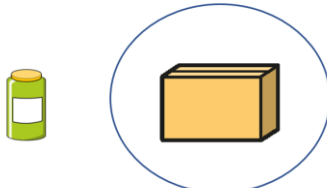
The maximum amount that something can hold inside it.

Which do you think can hold more water?



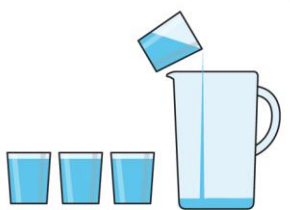
The bath has a greater **capacity**.

Which do you think can hold more marbles?



The box has a greater **capacity**.

4 cups of water fill the jug.

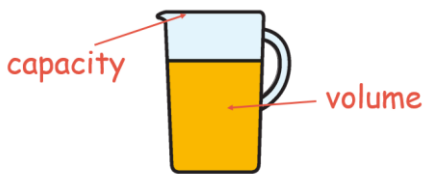


The capacity of the jug is **4** cups of water.

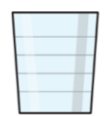
Year 1 Mass and Volume (page 2)

Volume

The amount of something actually inside a container.



How can we describe the volume?



The glass is **empty**.



The glass is **full**.

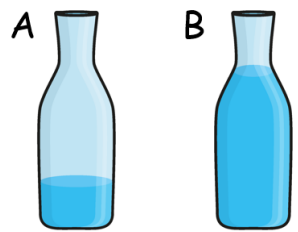


The glass is **nearly empty**.

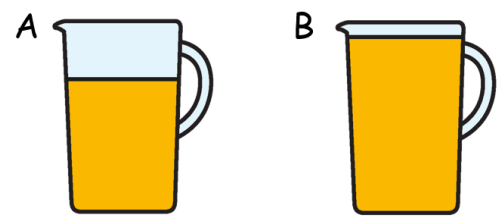


The glass is **nearly full**.

Compare Volume

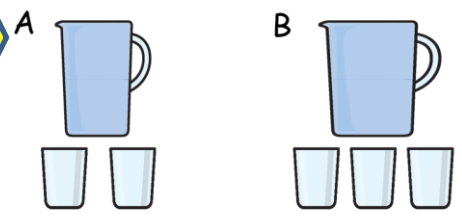


A has less water than B.



B has more juice than A.

Compare Capacity



2 glasses filled jug A. 3 glasses filled jug B.

Which jug has the greater capacity?

$2 < 3$

Jug B

