Digits

A digit is a single number

There are 10 digits: 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9

Every other number is made from combining these digits

1 digit numbers

0

1

2

3

4

5

6

7

8

9

Digits

Can you think of some 2 digit numbers?	Can you think of some 3 digit numbers?	Can you think of some 4 digit numbers?
13	467	1,256
26	312	7,893
34	897	4,674
57	692	9,032
89	158	5,810
All the numbers from 10 to 100	All the numbers from 100 to 1,000	All the numbers from 1,000 to 10,000

Place Value

Value means what something is worth

The place of a digit decides its value

What is the value of the blue digits in each number?

1   4   8

10   46   81

100   439   868
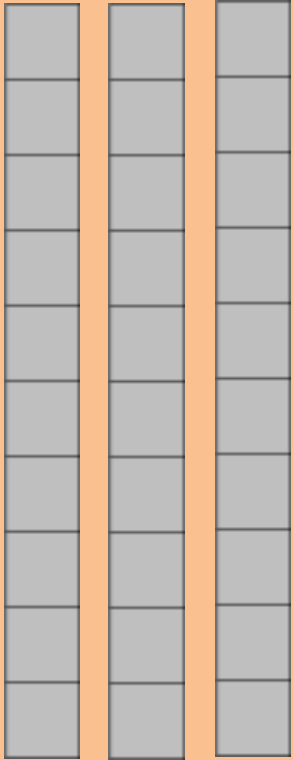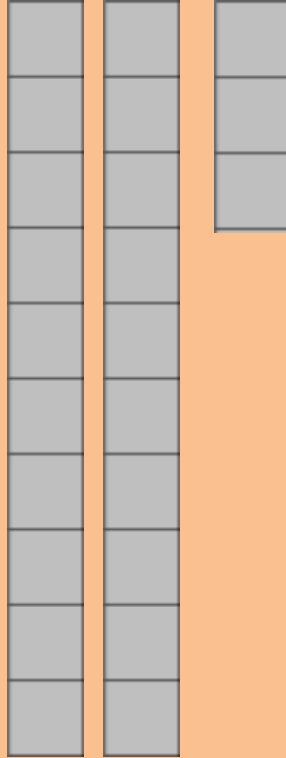
1,000   4,672   8,295

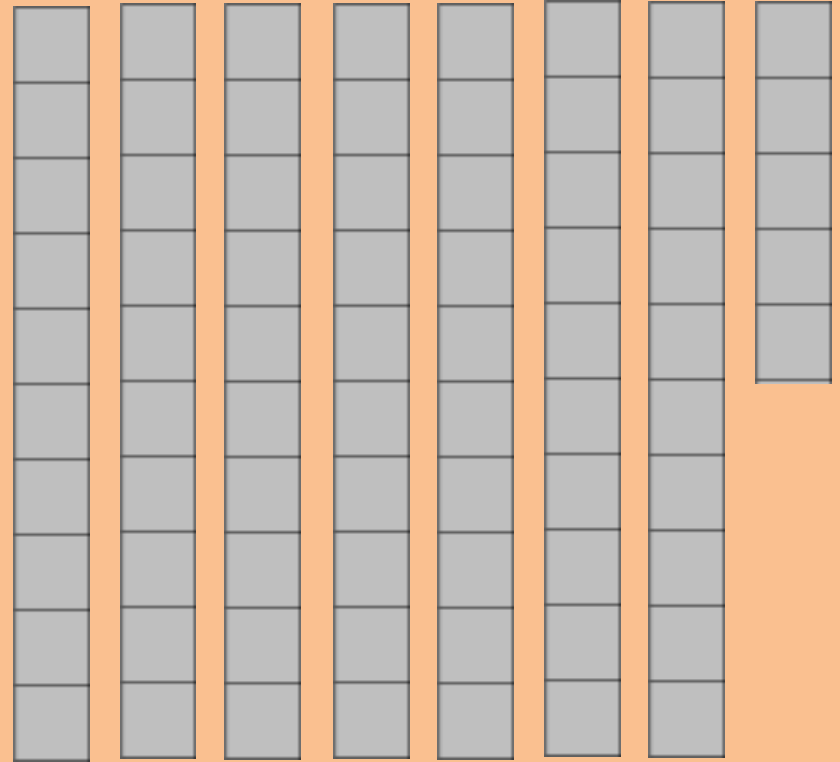# 2-digit numbers

30   23   75

So when we order 2-digit numbers we need to look at the tens first

Ordering 2-digit numbers

Order these 2-digit numbers from **highest to lowest**

Remember, look at the tens first
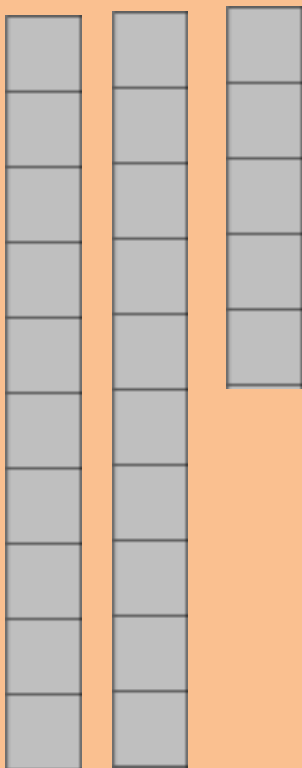
26   98   31   65

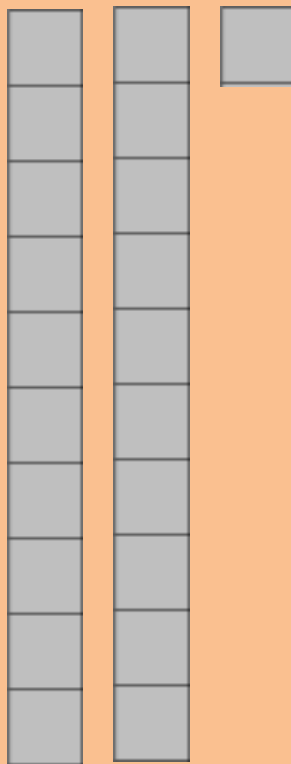98, 65, 31, 26

48   81   76   17

81, 76, 48, 17

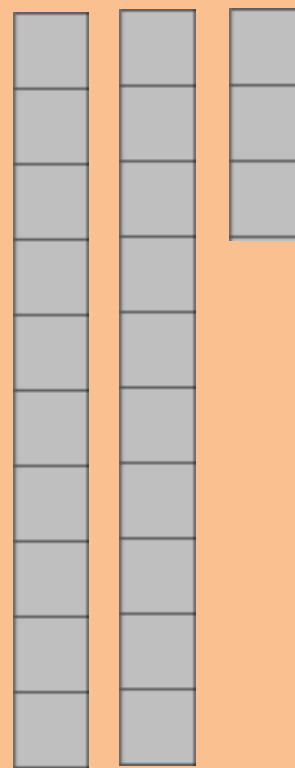# 2-digit numbers

but what about when the tens are the same?

25

21

23

If the tens are the same, we then need to look at the units

Ordering 2-digit numbers

Order these 2-digit numbers from **highest to lowest**

Remember, look at the tens first and then the units
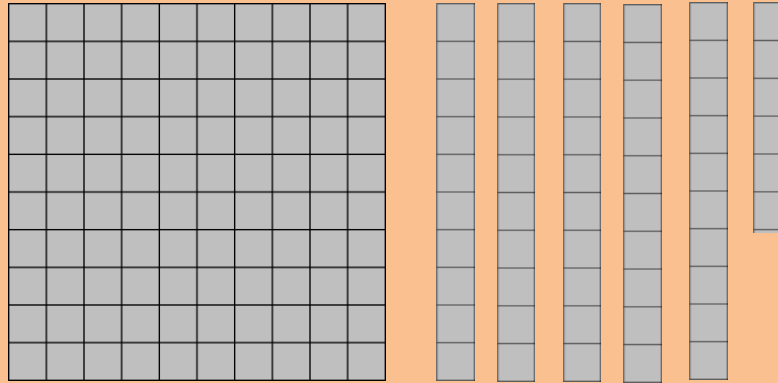
36   32   39   35
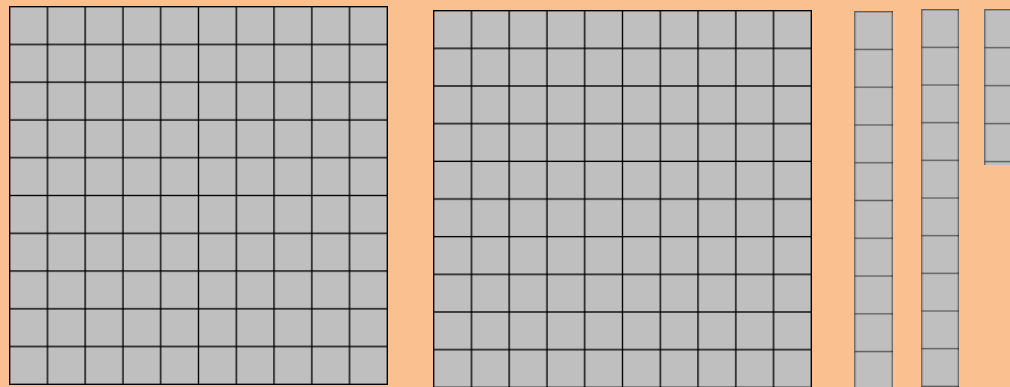
39, 36, 35, 32

97   91   95   94

97, 95, 94, 91

3-digit numbers

156

224

When we order 3-digit numbers we need to look at the hundreds first

Ordering 3-digit numbers

Order these 3-digit numbers from **highest to lowest**

Remember, look at the hundreds first
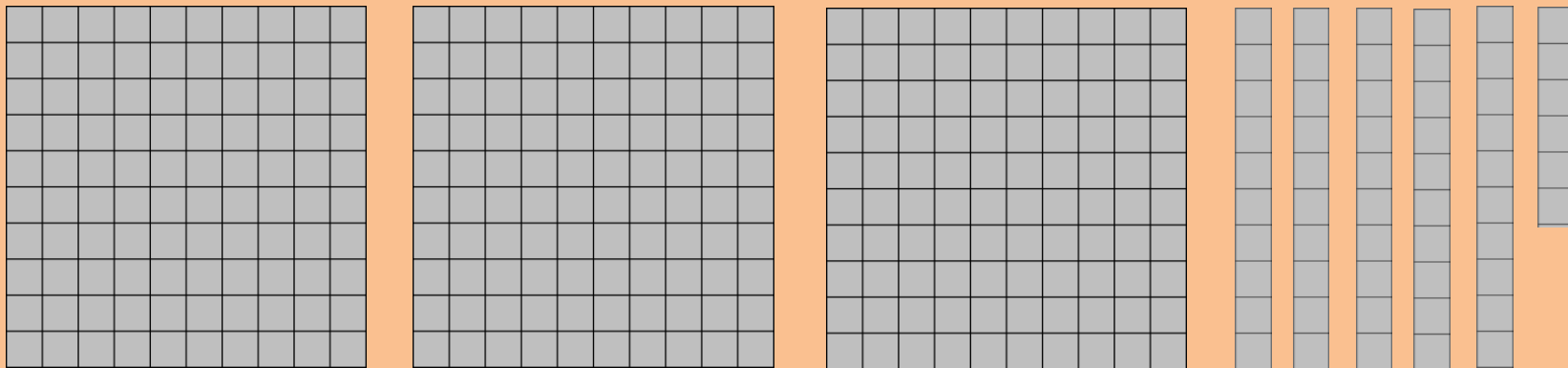
568 911 125 674

911, 674, 568, 125
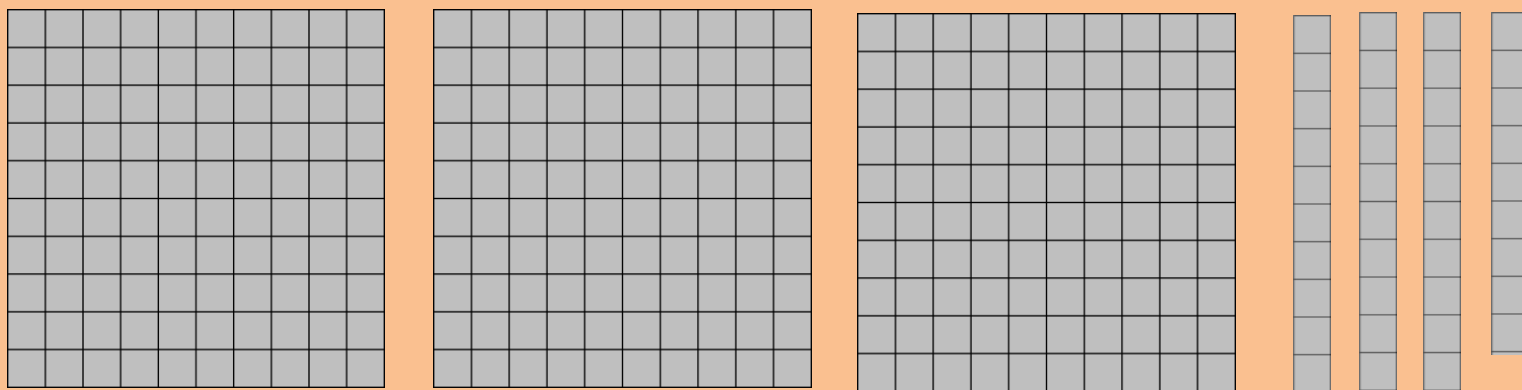
381 643 897 102

897, 643, 381, 102

3-digit numbers

but what about when the hundreds are the same?

356

339

If the hundreds are the same, we then need to look at the tens

Ordering 3-digit numbers

Order these 3-digit numbers from **highest to lowest**

Remember, look at the hundreds first, then the tens, then the units

267   291   205   300

300, 291, 267, 205

954   966   912   948

966, 954, 948, 912

Ordering 4-digit numbers

Order these 4-digit numbers from **highest to lowest**

Remember, look at the thousands first, then the hundreds, then the tens, then the units

8,500   8,263   3,999   9,000

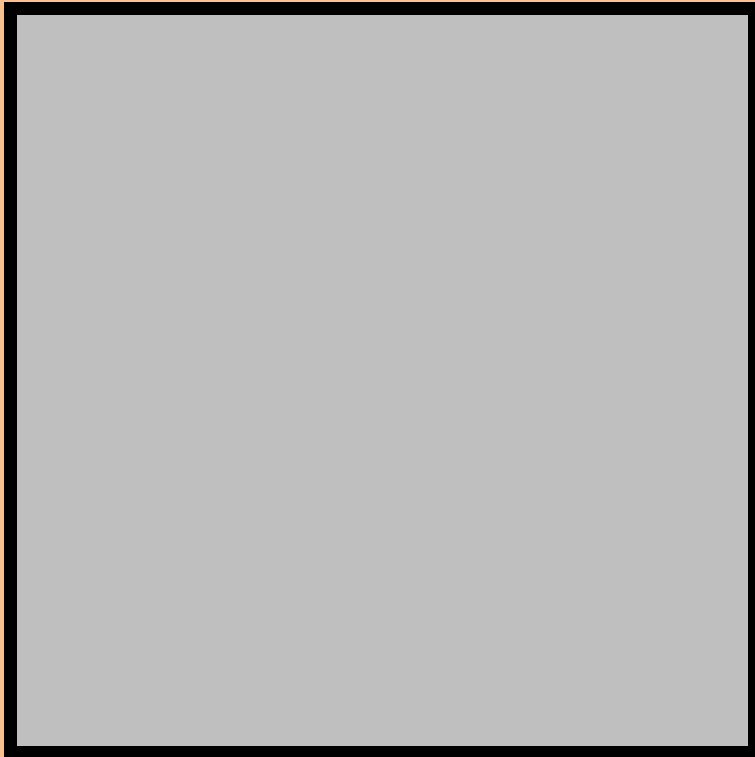9,000, 8,500, 8,263, 3,999

6,765   6,761   6,770   6,712
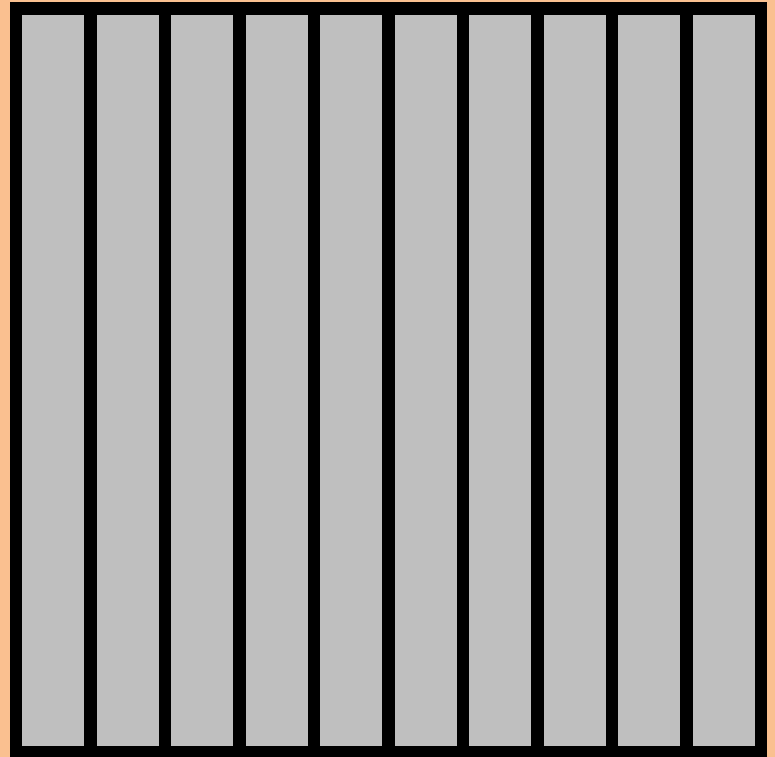
6,770, 6,765, 6,761, 6,712,

Tenths

Units can be split in to tenths

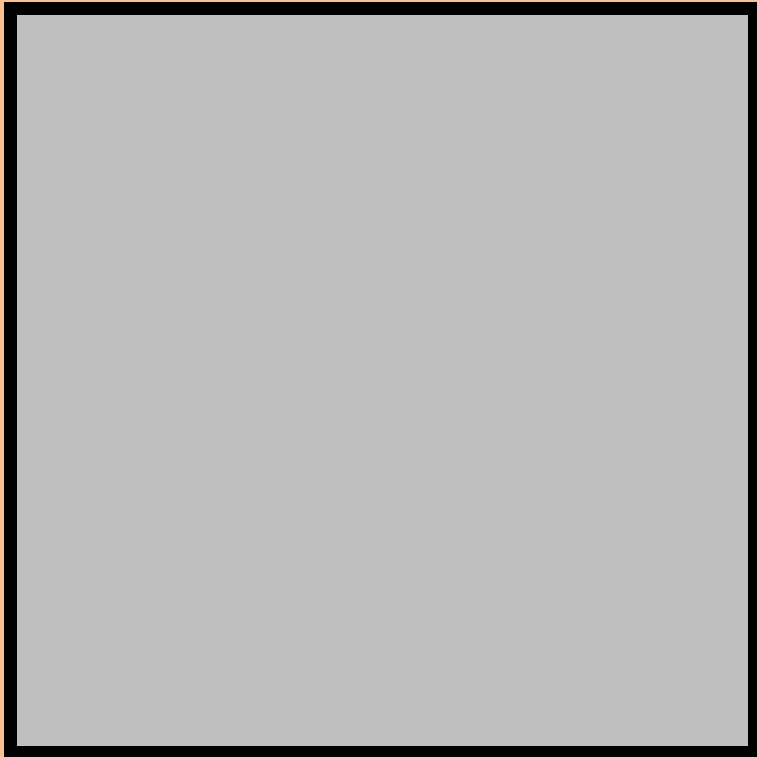10 tenths make 1 unit

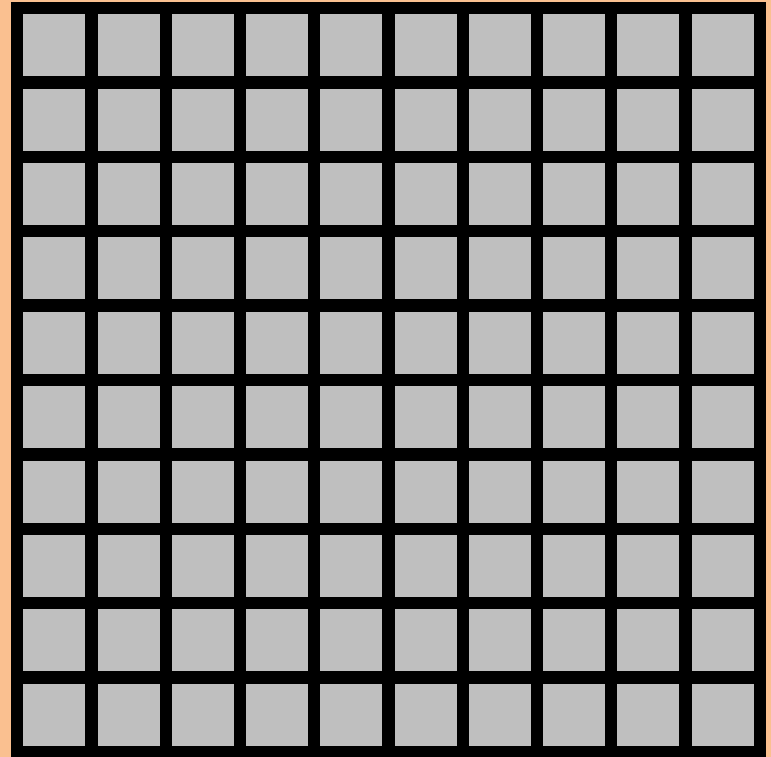## Units

tenths

Hundredths

Units can also be split in to hundredths

100 hundredths make 1 unit

Units

hundredths

Numbers with decimal places

Numbers with decimal follows the same rules

The further to the left a number is, the more it is worth
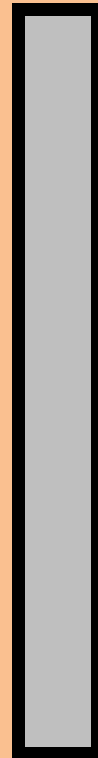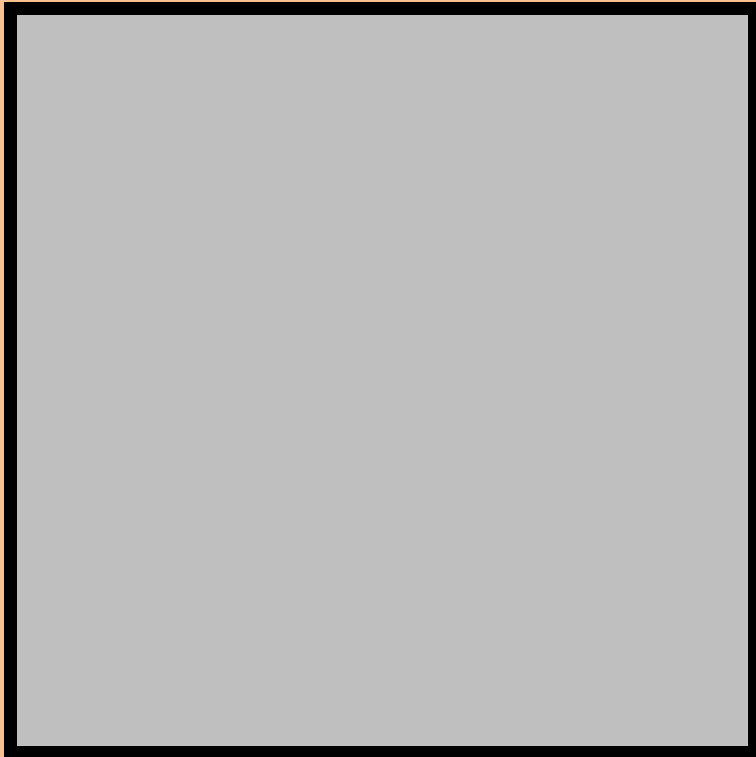
U   .   t   h   th

Place Value

Value means what something is worth

The place of a digit decides its value

What is the value of the blue digits in each number?

1   4   9

0.1   0.4   0.9

0.01   0.04   0.09

0.001   0.004   0.009

Zeros after the last digit

In numbers with decimal places, zeros after the last number do not change the value of the number

The numbers in the same colours below have the same value as each other, despite the extra zeros on the end

8	8.0
2	2.00
5.1	5.10
7.35	7.350000

Ordering numbers with decimal places

Order these numbers from **highest to lowest**

Remember, look at the units first, then the tenths, then the hundredths, then the thousandths

6.72   6   6.9   6.311
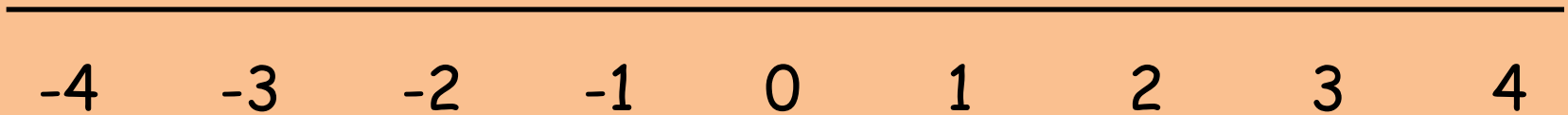
6.9, 6.72, 6.311, 6

2.5   2.52   2.25   2.55

2.55, 2.52, 2.5, 2.25

Negative numbers

There are number lower than 0

These numbers are called 'negative numbers'

-4   -3   -2   -1   0   1   2   3   4

Ordering negative numbers

Order these numbers from **highest to lowest**

-6   9   -1   5

9, 5, -1, -6

54   -45   -54   45

54, 45, -45, -54