

Partitioning 2-digit numbers

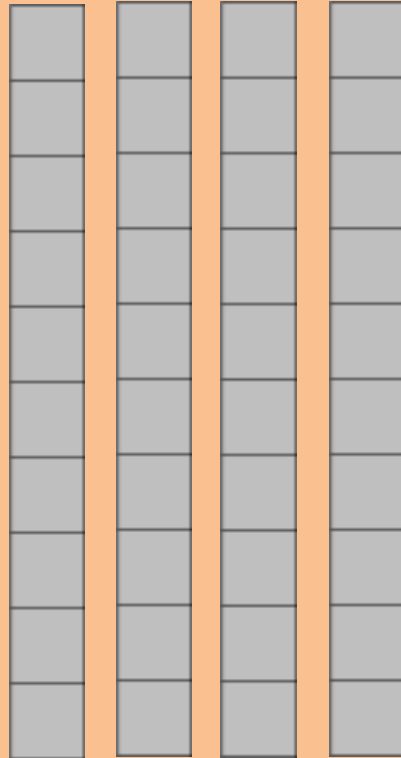
43 =

40

+ 2

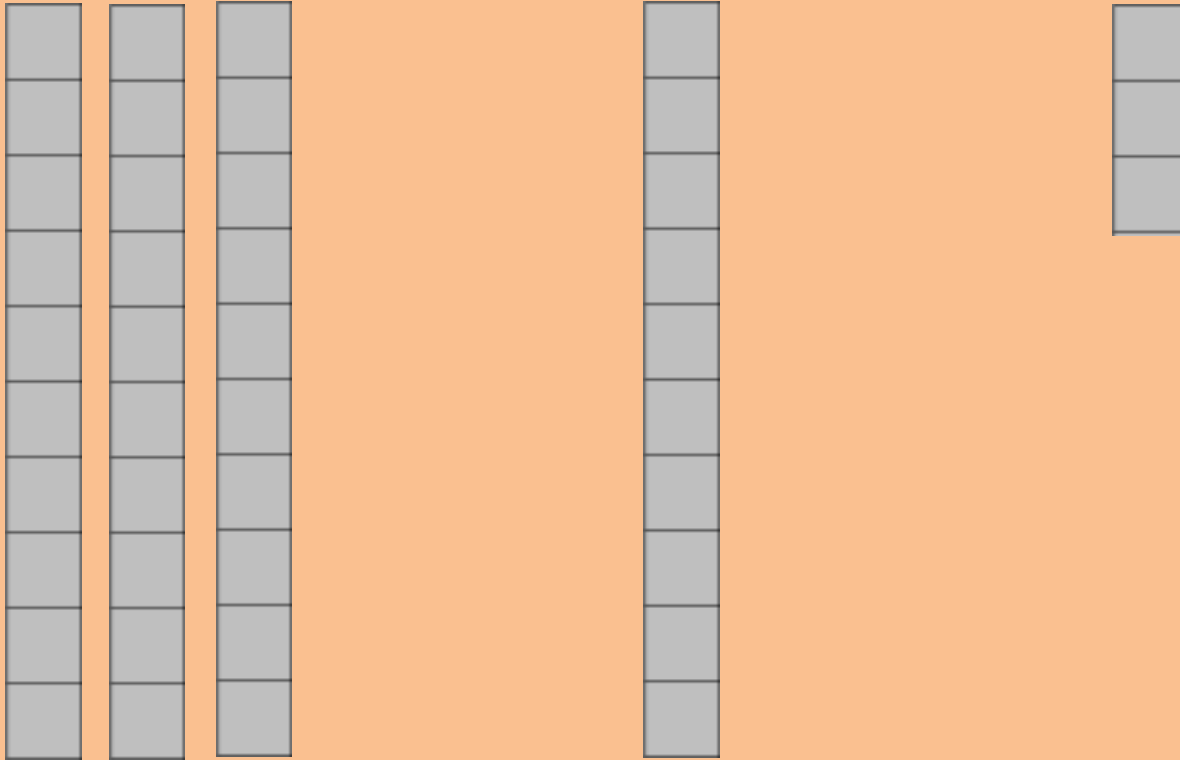
+

1



Partitioning 2-digit numbers

$$43 = 30 + 10 + 3$$



Partitioning 2-digit numbers

43 =

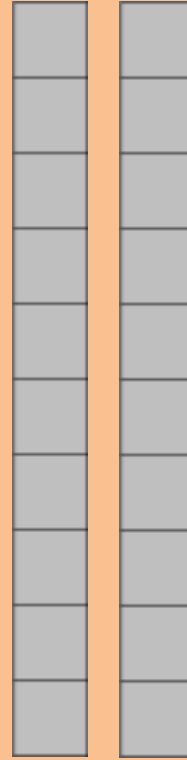
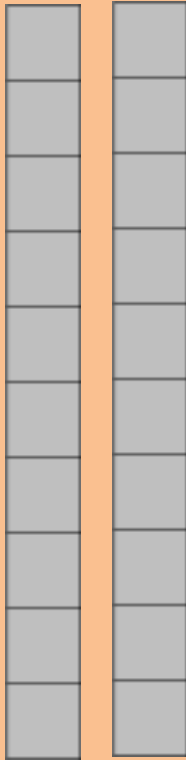
20

+

20

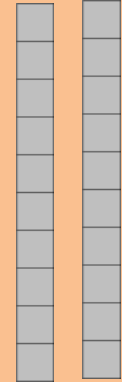
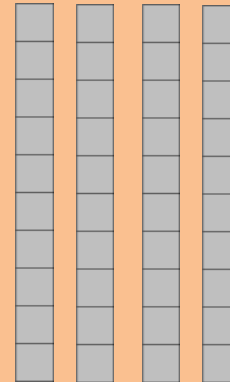
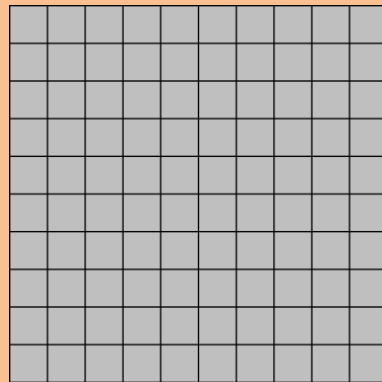
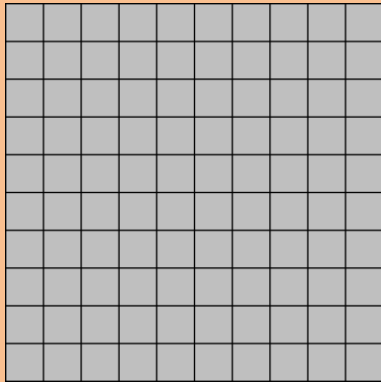
+

3



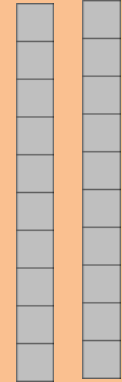
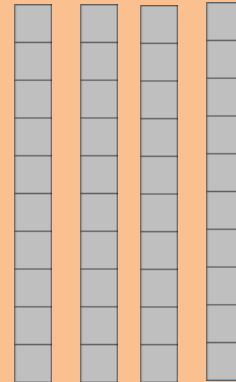
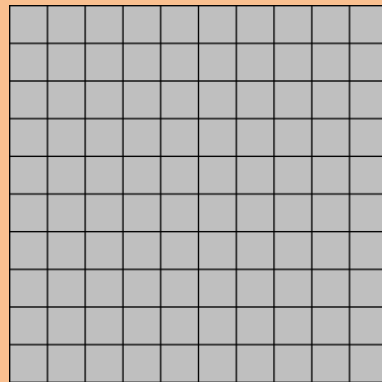
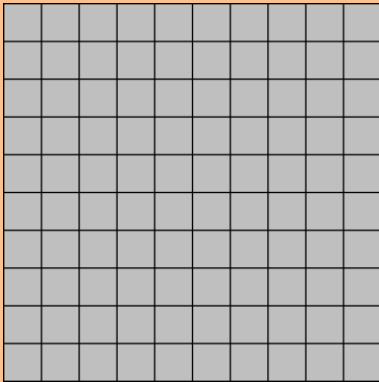
Partitioning 3-digit numbers

$$261 = 200 + 40 + 20 + 1$$



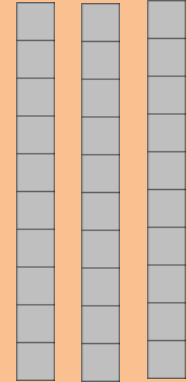
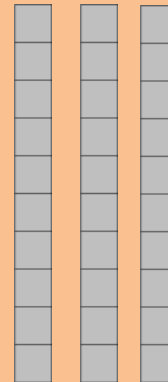
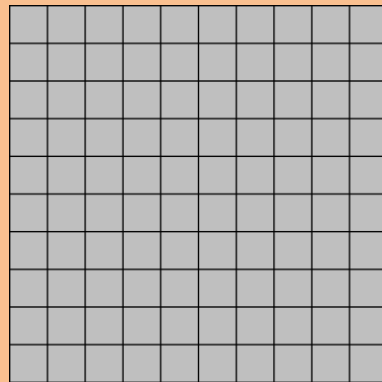
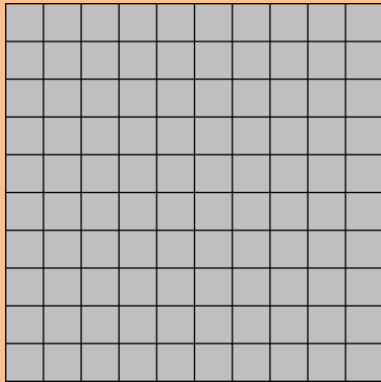
Partitioning 3-digit numbers

$$261 = 100 + 100 + 40 + 20 + 1$$



Partitioning 3-digit numbers

$$261 = 100 + 100 + 30 + 30 + 1$$



Partitioning 4-digit numbers

We partition 4-digit numbers in to their thousands, hundreds, ten and units

$$3,653 = 3,000 + 600 + 50 + 3$$

$$3,653 = 2,000 + 1,000 + 600 + 50 + 3$$

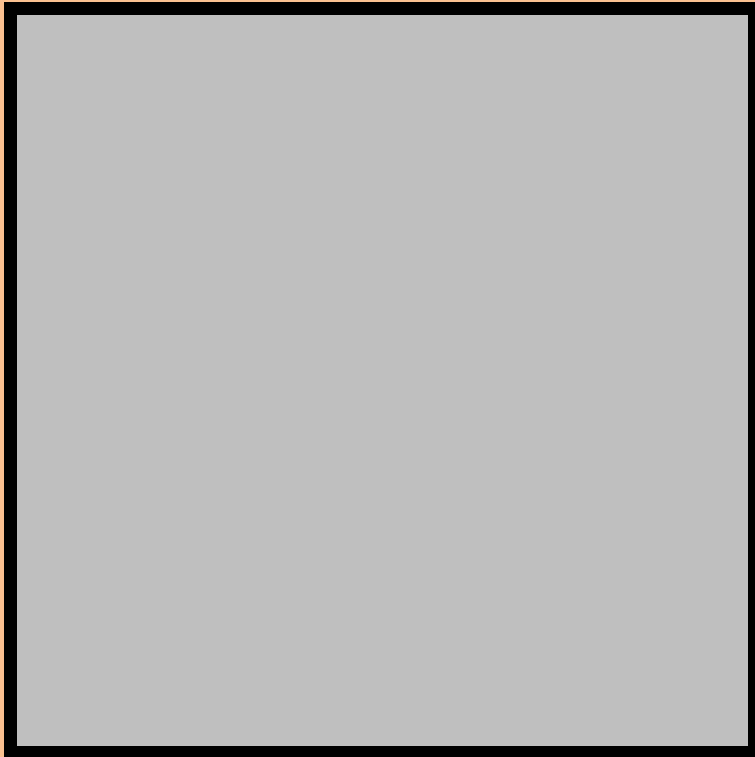
$$3,653 = 3,000 + 500 + 100 + 50 + 2 + 1$$

Tenths

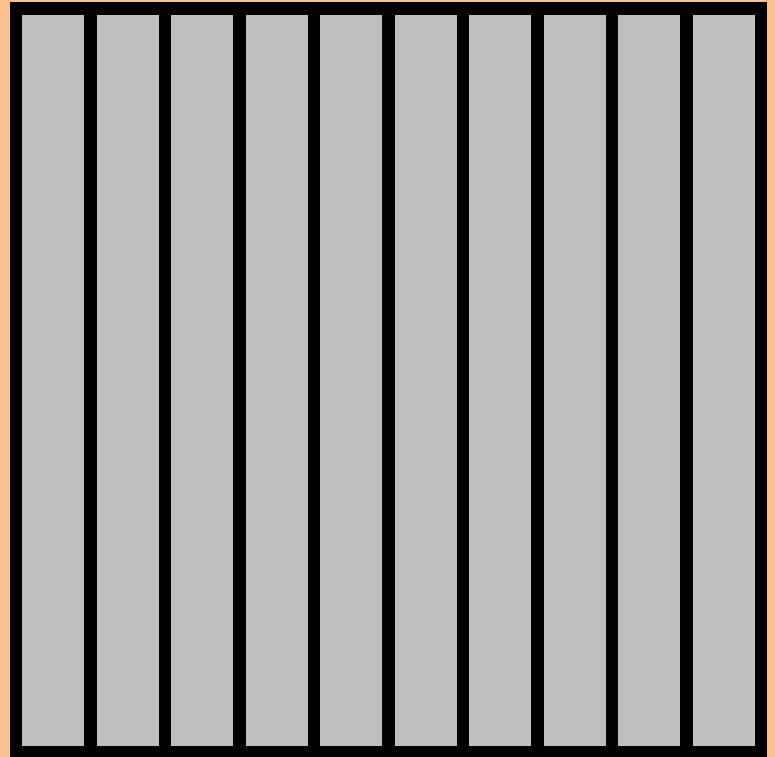
Units can be split in to tenths

10 tenths make 1 unit

Units



tenths

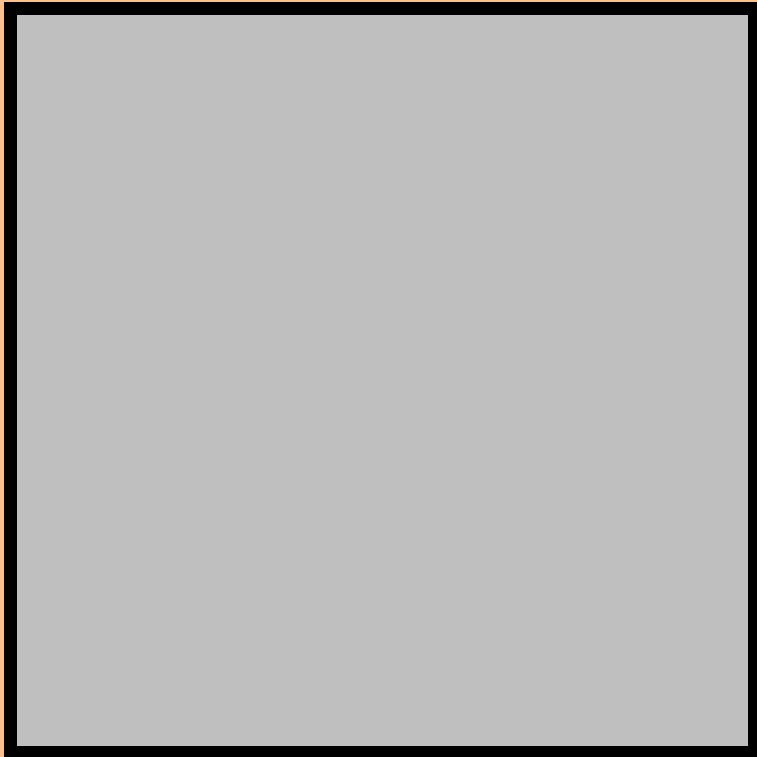


Hundredths

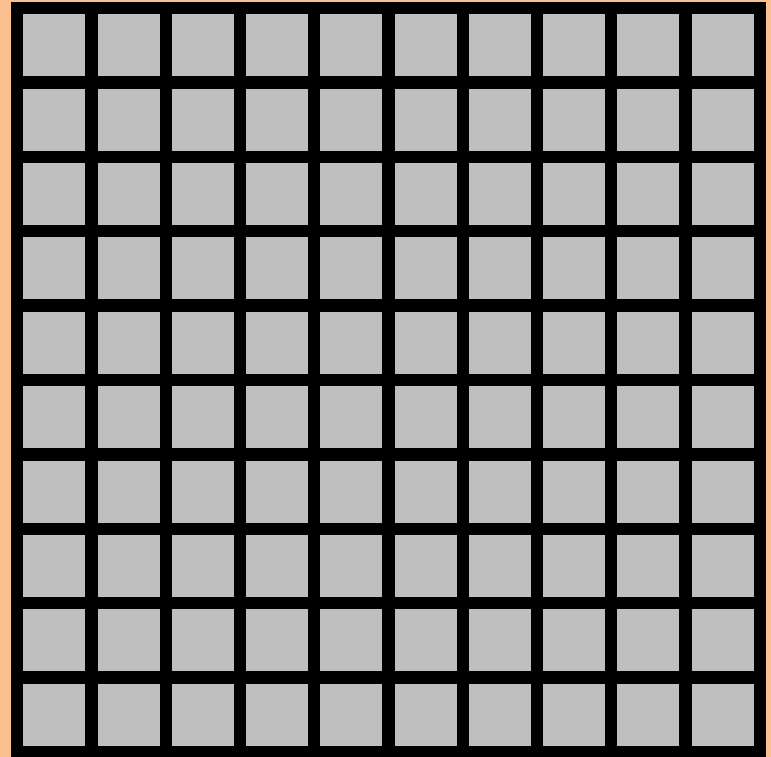
Units can also be split in to hundredths

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

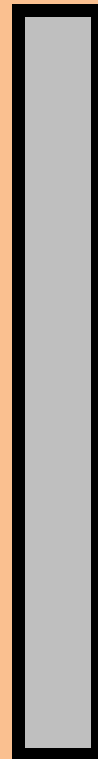
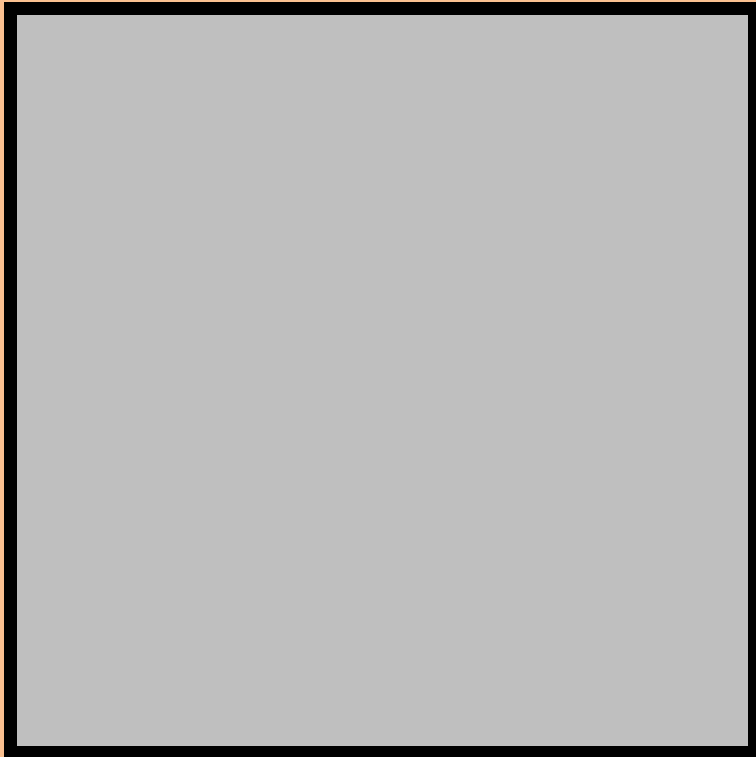
U

.

t

h

th



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

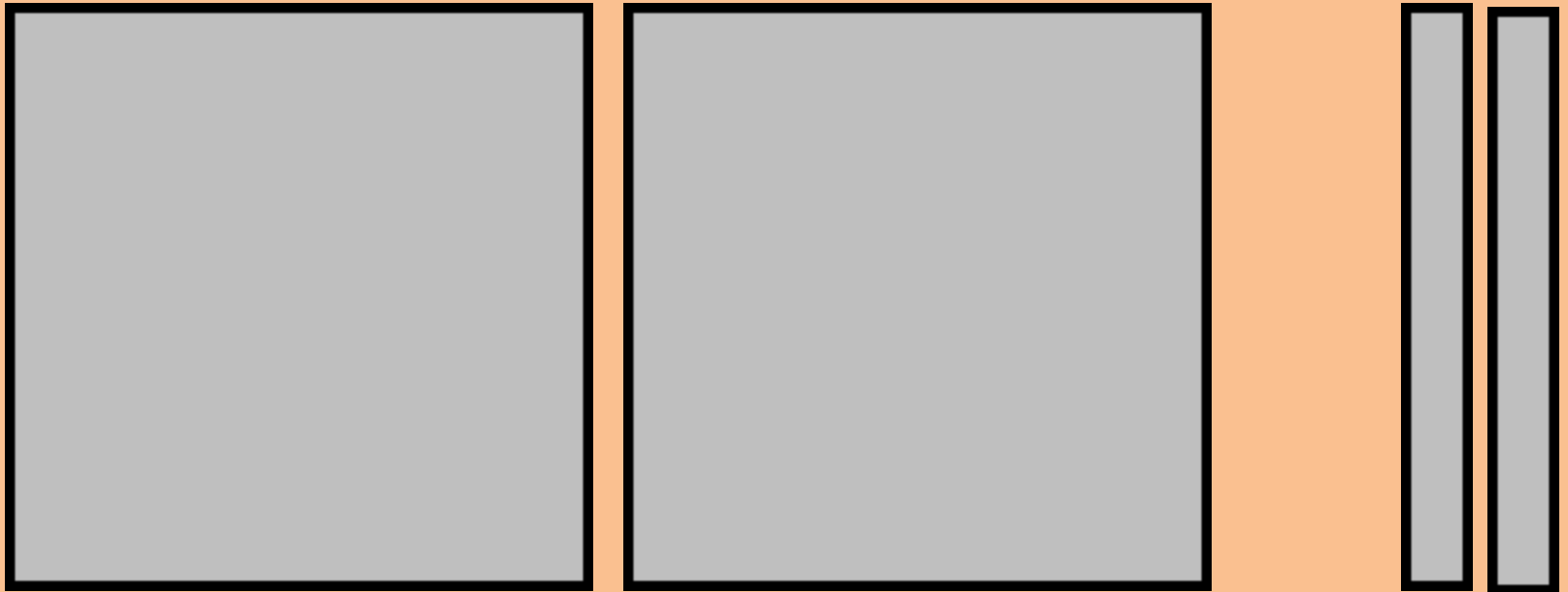
2 2.00

5.1 5.10

7.35 7.350000

Partitioning numbers with decimal places

$$2.2 = 1 + 1 + 0.2$$



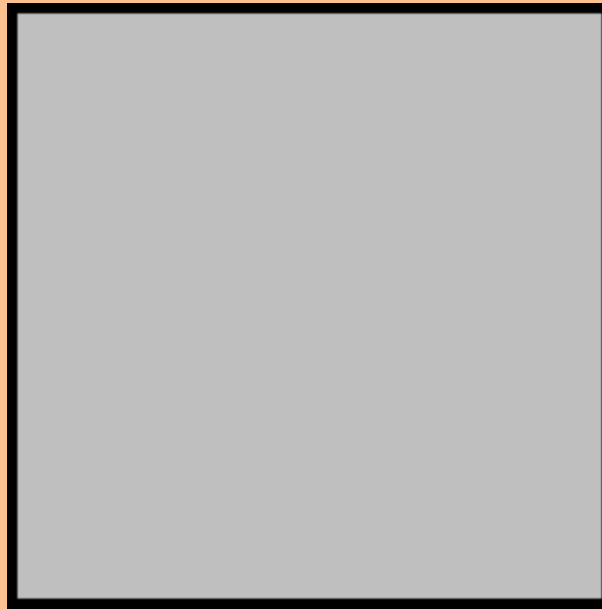
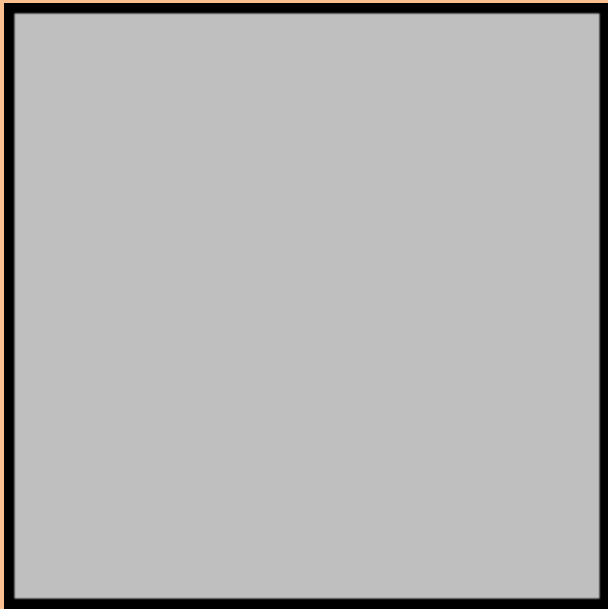
Partitioning numbers with decimal places

2.2 =

2

+ 0.1

+ 0.1



Partitioning numbers with decimal places

When we partition numbers with decimal places we split them up in to their units, tenths, hundredths and thousandths

$$3.653 = 3 + 0.6 + 0.05 + 0.003$$

$$3.653 = 2 + 1 + 0.6 + 0.05 + 0.003$$

$$3.653 = 3 + 0.5 + 0.1 + 0.05 + 0.002 + 0.001$$