

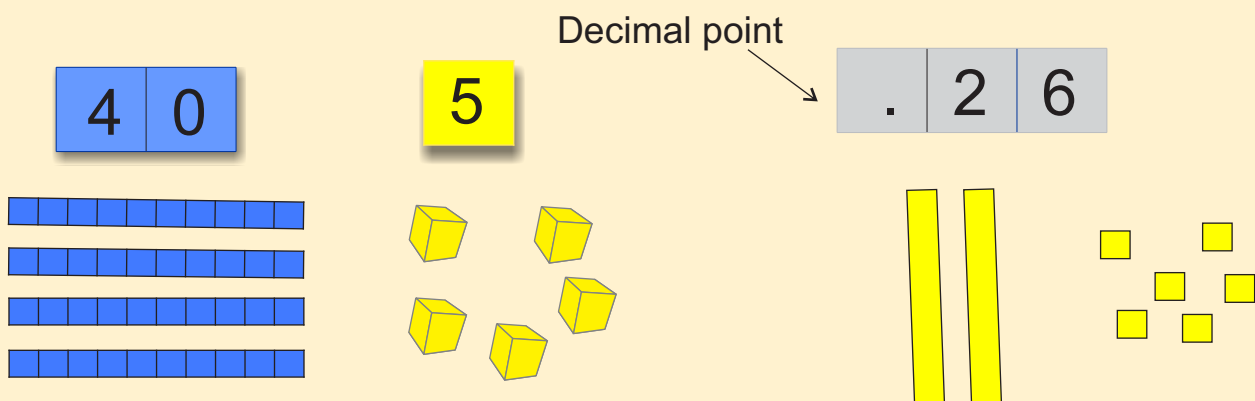
Decimals

A Decimal Number (based on the number 10) contains a Decimal Point.

Example: The number "forty-five two-tenths and six hundredths" written as decimal number:

The decimal point goes between Ones and Tenths.

45.26 has 4 Tens, 5 Ones, 2 Tenths and 6 hundredths



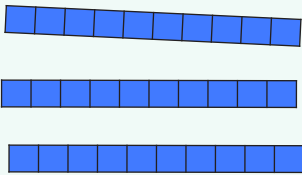
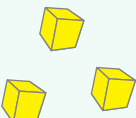
 is tens  is ones  is one tenths  is one hundredths

Decimal number

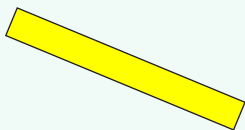
Use base 10 block, decimal set, place value mat and decimal mat to model these numbers.

For example: 33.12

Place value mat

Tens	Ones
	

Decimal mat

1/10	1/100
	

12.3

15.6

76.9

20.4

50.5

36.7

60.51

46.33

53.17

211.03

487.14

132.24

365.72

762.64

542.25

Represent the numbers

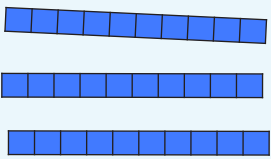
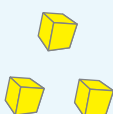
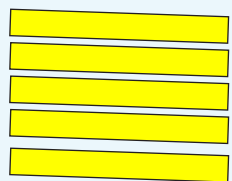
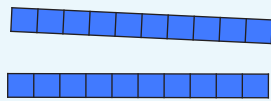
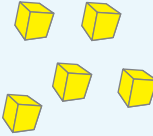
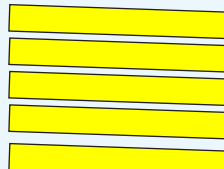
30 5 100 .02 .3 Ans 135 .32	.02 2 40 .4
70 1 200 .04 .3	100 7 50 .04 .6
60 5 400 .09 .1	600 9 30 .08 .6

Add Decimals

Example: $33.55 + 25.56 = 59.11$

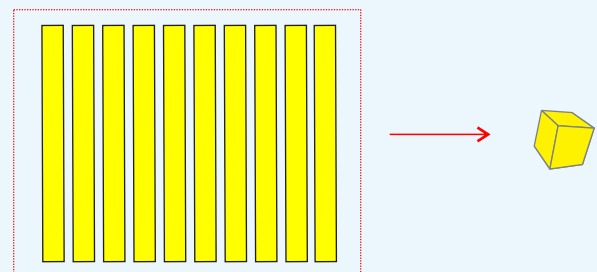
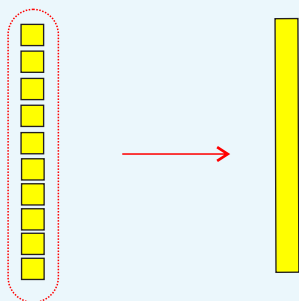
Place value mat

Decimal mat

	Tens	Ones	1/10	1/100
33.55				
25.56				

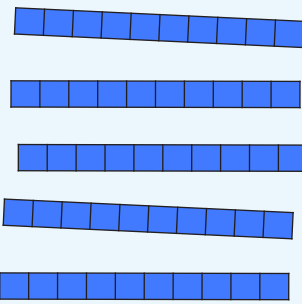
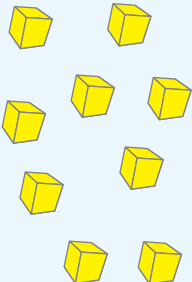
Regroup 10 hundredths as 1 tenth

Regroup 10 tenths as 1 ones



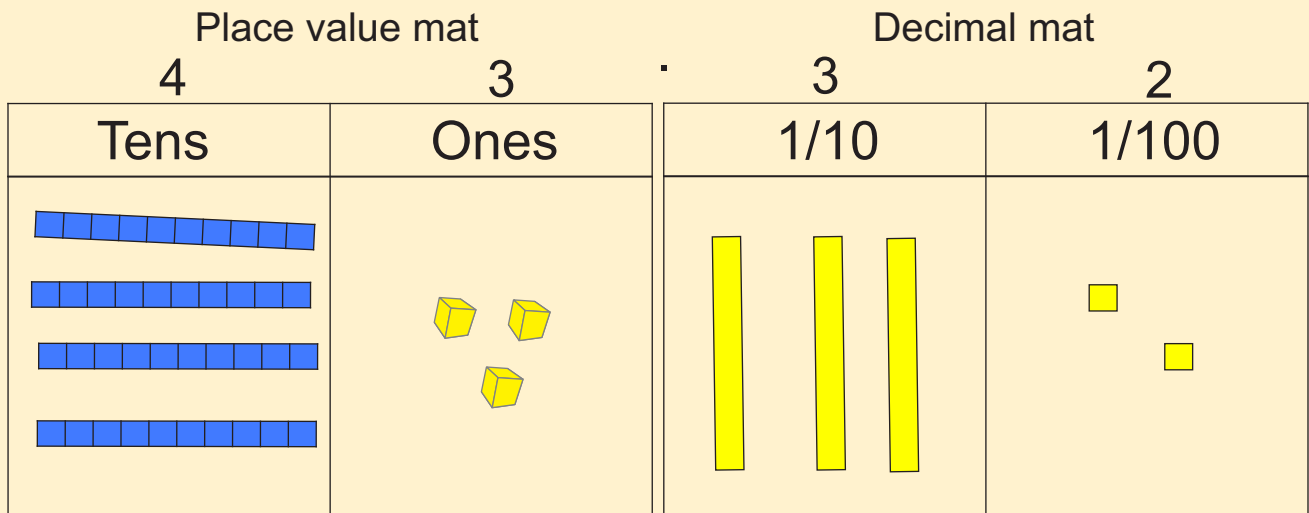
Place value mat

Decimal mat

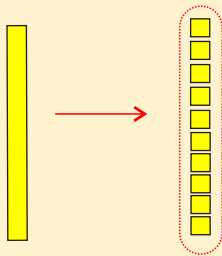
5	9	1	1
Tens	Ones	1/10	1/100
			

Subtract Decimals

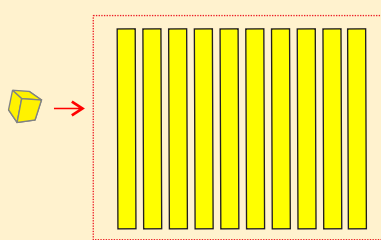
Example: $43.32 - 15.54 = 27.78$



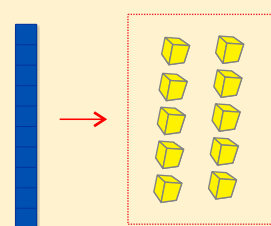
Regroup 1 tenths as
10 hundredths



Regroup 1 ones as
10 tenths



Regroup 1 ten as
10 ones



Take away 15.54

