

Grade 06
Mathematics
(English Medium)



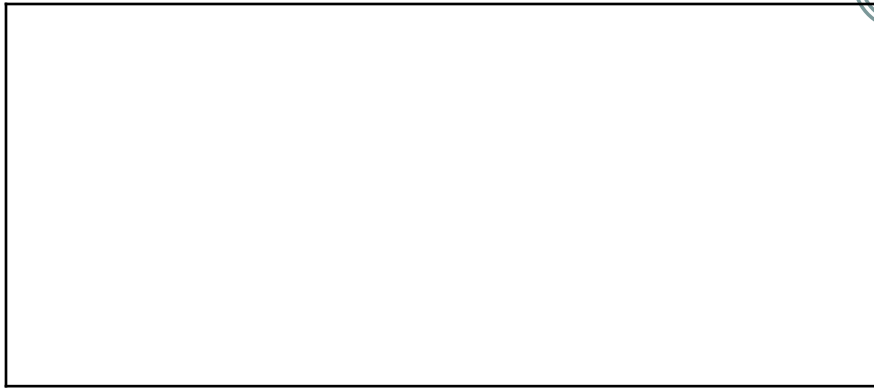
UNIT 13

DECIMALS

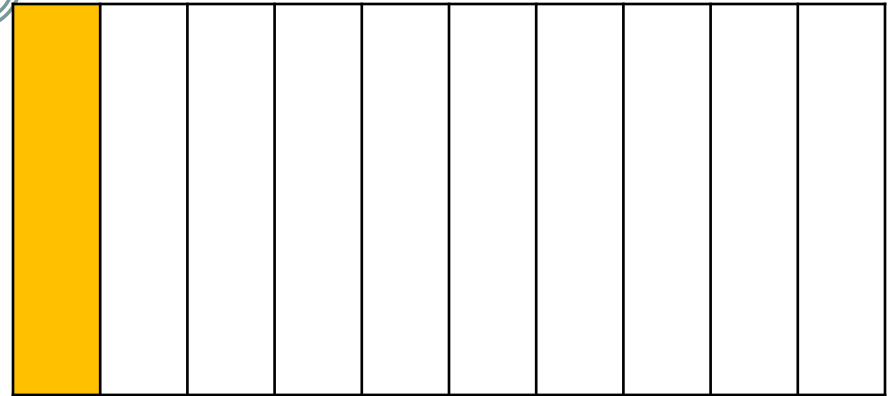
Part ii

CONDUCTED BY : KRISHANTHI RATHNASENA

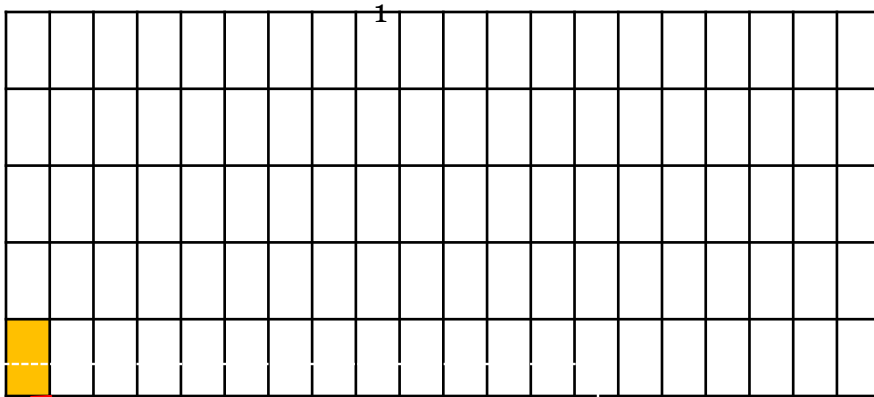
Further introduction to decimals



1 Unit = $\frac{1}{10}$ s

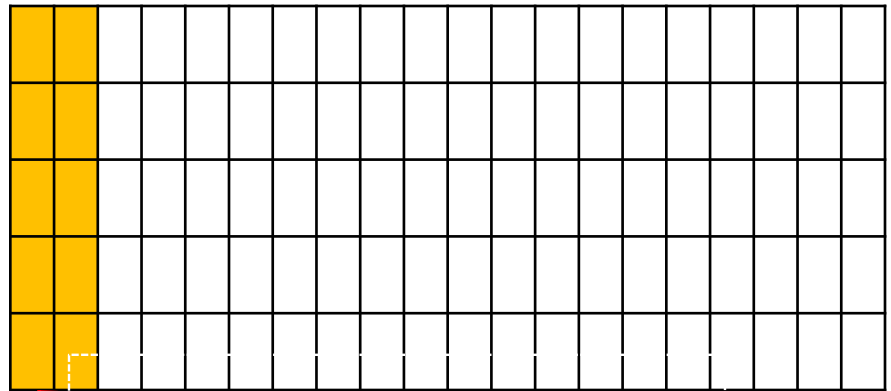


Shaded Region = $\frac{1}{10}$ = 0.1



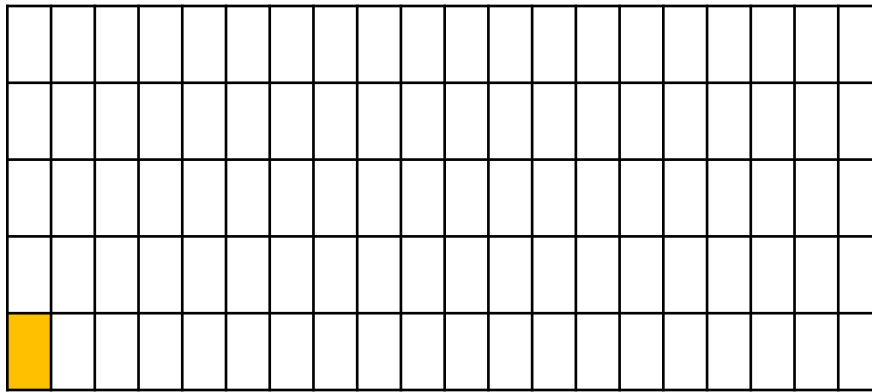
Shaded Region = $\frac{1}{100}$

Ten $\frac{1}{100}$ s = $\frac{1}{10}$
 Ten $\frac{1}{10}$ s = 1



Shaded Region = Ten $\frac{1}{100}$ s = $\frac{1}{10}$

$$\frac{1}{10} = 0.1 \text{ (Zero point one)}$$



$$\frac{1}{100} = 0.01 \text{ (Zero point zero one)}$$

Ex: i.) $\frac{1}{100} = \underline{0.01}$ (Zero point zero one)

ii.) $\frac{7}{100} = \text{Seven } 1/100 \text{ s} = \underline{0.07}$ (Zero point zero seven)

iii.) $\frac{9}{100} = \text{nine } 1/100 \text{ s} = \underline{0.09}$ (Zero point zero nine)

iv.) $\frac{15}{100} = \underline{0.15}$ (Zero point one five)

v.) $\frac{87}{100} = \underline{0.87}$ (Zero point eight seven)

Re- write the following decimal numbers in words



i.) 5.23 = Five point two three

ii.) 25.18 = Twenty five point one eight

iii.) 165.29 = One hundred sixty five point two nine

iv.) 3435.71 = Three thousand four hundred thirty five point seven one

v.) 19.66 =

vi.) 89.25 =

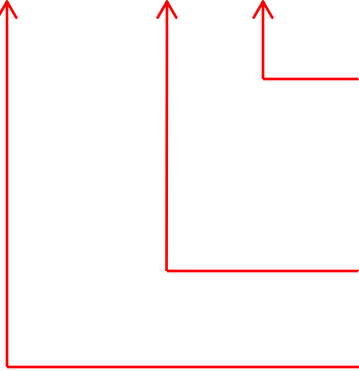
vii.) 503.45 =

Position / place value / value represented by the digit of a decimal number with two decimal places

8 3 . 5 7

Position	Place value	Value denoted by the digit
Second decimal place or Hundredths place	$\frac{1}{100}$ or 0.01	$\frac{7}{100}$ Or 0.07
First decimal place / Tenths place	$\frac{1}{10}$ Or 0.1	$\frac{5}{10}$ Or 0.5
Ones place	1	3
Tens place	10	80

8 . 3 9



Position

Place value

Value denoted by the digit

Second decimal place or Hundredths place

$\frac{1}{100}$ or 0.01

$\frac{9}{100}$ Or 0.09

Tenths place

$\frac{1}{10}$ or 0.1

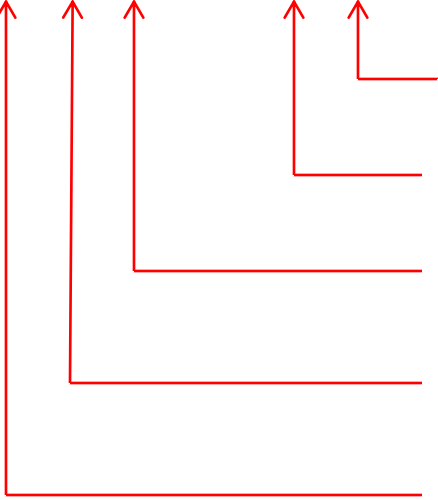
$\frac{3}{10}$ Or 0.3

Ones place

One / 1

8

300 . 12



Position

Place value

Value denoted by the digit

Hundredths

$\frac{1}{100}$ or 0.01

$\frac{2}{100}$ Or 0.02

Tenths place

$\frac{1}{10}$ or 0.1

$\frac{1}{10}$ Or 0.1

Ones place

One / 1

0

Tens place

Ten / 10

0

Hundreds place

Hundred / 100

300

Complete the following table



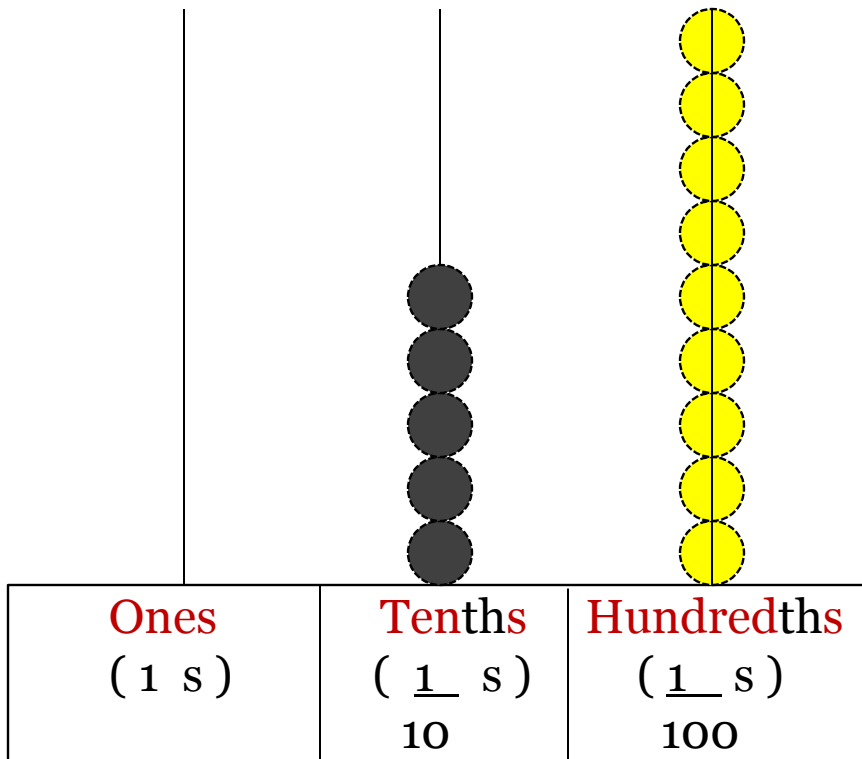
Decimal number	Position of the digit	Place value	Value denoted by the digit
1 2 . 3	Tenths place	$\frac{1}{10}$	$\frac{3}{10}$ / 0.3
1 0 3 . 2 5	First decimal place / Tenths place	$\frac{1}{10}$ / 0.1	$\frac{2}{10}$ / 0.2
3 3 . 4 6	Hundredths place	$\frac{1}{100}$ / 0.01	$\frac{6}{100}$ / 0.06
2 9 0 . 3 3	Tens place	10	90
5 6 . 7 4	Tenths place	$\frac{1}{10}$ / 0.1	$\frac{7}{10}$ / 0.7
2 4 . 9 3			
1 0 0 . 2 5			

Representing a Decimal number on an abacus

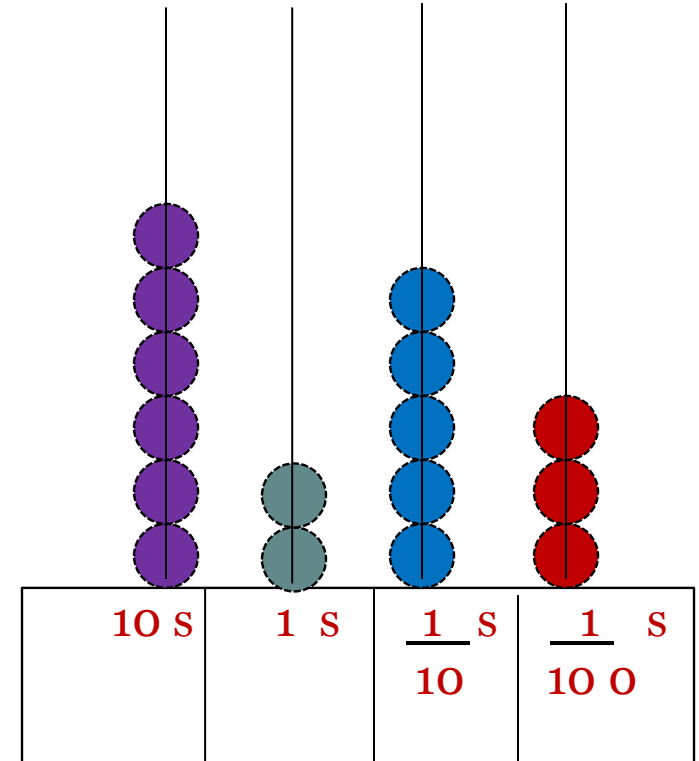


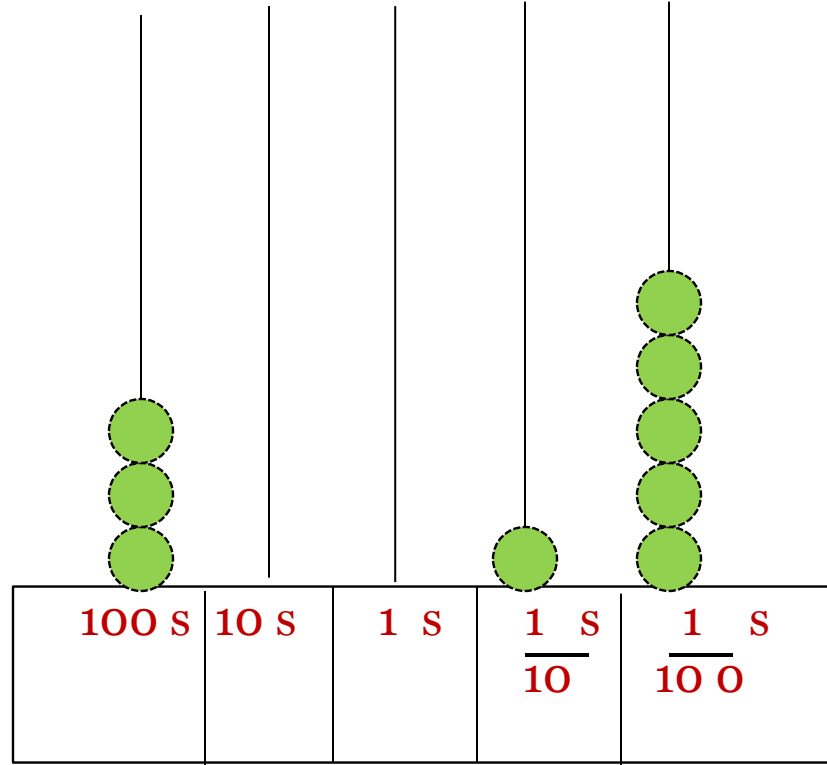
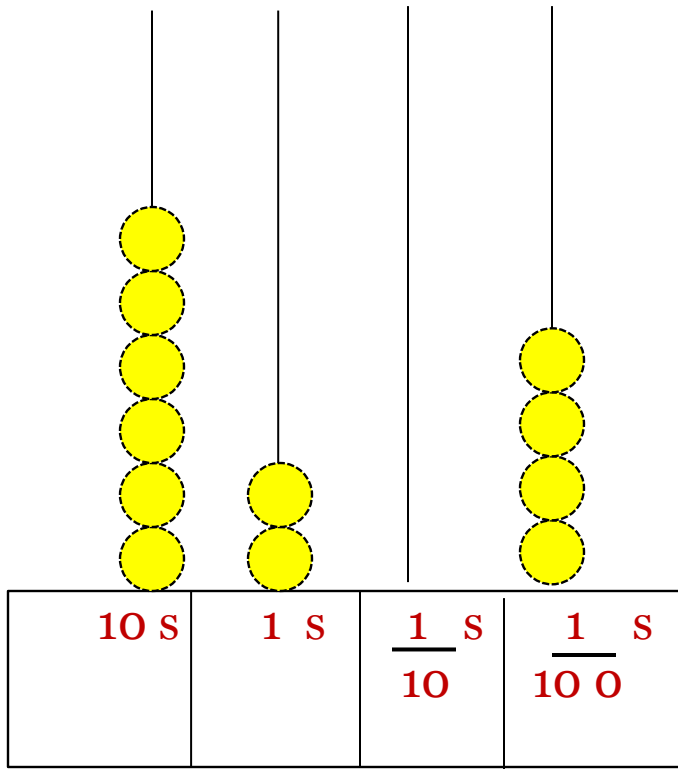
0 . 5 9

Zero point five nine



62.53





Complete the exercise 1.2

THE END