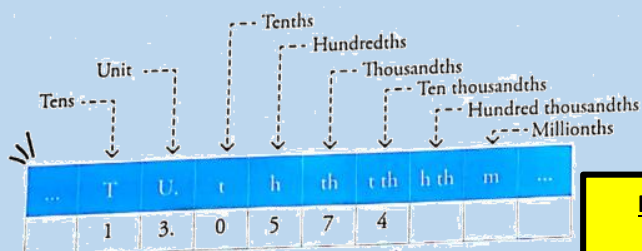


# UNIT 5. Decimal numbers

## Decimal numbers



	Integer part			Decimal part		
	H	T	U	t	h	th
43.897		4	3	8	9	7
135.903	1	3	5	9	0	3
29.876		2	9	8	7	6

### Decompose into place values

25.043 → 2 tens + 5 units +  
4 hundredths +  
3 thousandths  
(2T + 5U + 4h + 3t)

### Decompose into place values and write how you read these numbers

25.987	6.002
125.058	78.2
0.8756	1.25
848.805	0.040
14.40	129.005
25048.12	35.01305
4004.562	200.305

### How do you read a decimal number?

13.73 → thirteen units and seventy three hundredths  
Thirteen point seventy three  
Thirteen point seven three

## Order and compare

### Complete with > or <

0,231  0,235      c) 3,87  3,85  
0,71  0,83      d) 5,12  3,12  
3,2  3,08      b) 0,086  0,087

### Write a number between:

a) 2.4 and 2.5  
b) 8.15 and 8.16  
c) 0.105 and 0.106

### Order these numbers from the largest to the smallest

a) 4,025   4.205   4.502   4.25  
4.225   4.2555  
b) 5.23   5.203   5.233   5.2  
c) 9.05   9.45   9.53   9.07  
d) 2.45   2.545   2.445   2.4  
2.4545   2   2.24  
e) 1.121   1.211   2.111   1.112  
f) 3.0101   3.001   3.101   3.012

a) Truncate and round 4.083 to the nearest tenths. Compare the two results

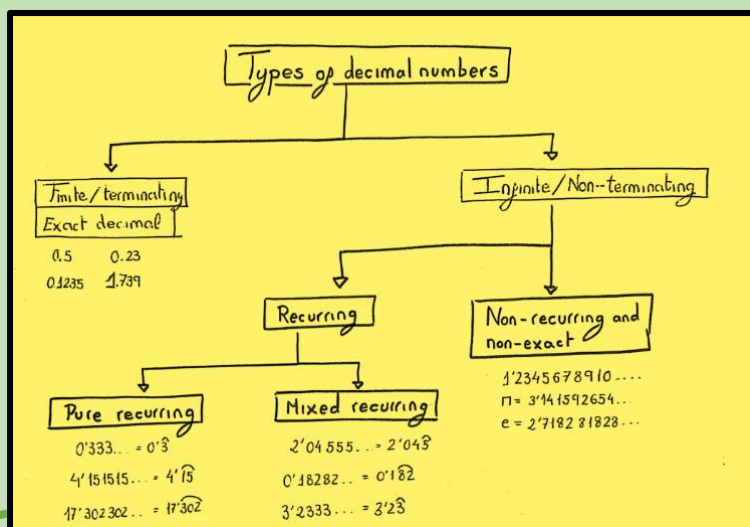
b) Round the following to the nearest hundredths

a) 3.159   b) 7.425   c) 9.144  
d) 1.001   e) 2.499   f) 13.109

c) Truncate these numbers to the nearest tenth

a) 17.42   b) 4.27   c) 0.075   d) 8.892

## Types of decimal numbers



### Classify these decimal numbers.

a) 6.24      c) 0.001      e) 3.14159...  
b) 1.212121...      d) 4.35      f) 6.3333...

### Classify the following decimal numbers. For those that are recurring decimal numbers, identify the digits that form their repetend.

a) 2.95      c) 2.9999...      e) 35.557557...  
b) 2.959595...      d) 3.7555...      f) 35.00777...



## VOCABULARY & EXPRESSIONS

<b>Decimal number</b> → número decimal	<b>Subtraction</b> → resta
<b>Integer part</b> → parte entera	<b>Subtract</b> → restar
<b>Decimal part</b> → parte decimal	<b>Minus</b> → menos
<b>Decimal point</b> → punto decimal (coma)	<b>Equal to</b> → igual a
<b>Units</b> → unidades	<b>Solve, perform, compute, calculate</b> → resolver/calcular
<b>Tens</b> → decenas	<b>Multiplication</b> → multiplicación
<b>Hundreds</b> → centenas	<b>Multiply</b> → multiplicar
<b>Tenths</b> → décimas	<b>Division</b> → división
<b>Hundredths</b> → centésimas	<b>Divide</b> → dividir
<b>Thousandths</b> → milésimas	<b>Multiplied by</b> → multiplicado por
<b>Decompose into place values</b> → descomponer en órdenes de unidades	<b>Divided by</b> → dividido entre
<b>Compare</b> → comparar	<b>Combined operations</b> → operaciones combinadas
<b>Order</b> → ordenar	<b>Exact decimal</b> → decimal exacto
<b>Biggest, greatest, largest</b> → más grande	<b>Recurring decimal</b> → decimal periódico
<b>Smallest, lowest</b> → más pequeño	<b>Pure recurring decimal</b> → decimal periódico puro
<b>Truncate</b> → truncar	<b>Mixed recurring decimal</b> → decimal periódico mixto
<b>Truncation</b> → truncamiento	<b>Non-exact and non-recurring decimal</b> → decimal no exacto y no periódico
<b>Round</b> → redondear	<b>Repetend</b> → periodo
<b>Rounding</b> → redondeo	<b>Types</b> → tipos
<b>Approximation</b> → aproximación	<b>Classify</b> → clasificar
<b>Addition</b> → suma	
<b>Add</b> → sumar	
<b>Plus</b> → más	