Place Value Knowledge Organiser

Write it!

Thousands	Hundreds	Tens	Ones		tenths	hundredths
4	1	8	6	.	2	3

Mathematical Symbol

This is a decimal point. It is an important symbol that separates the whole numbers from the part numbers.

Partition it!

4000	100	80	6		0.2	0.03

Model it!

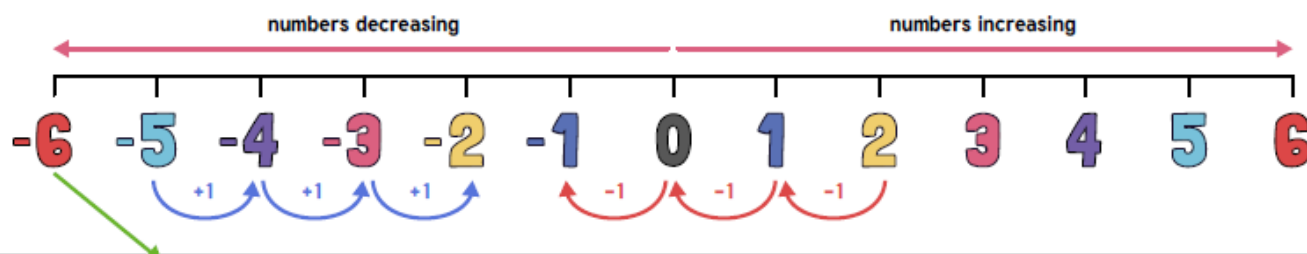| Thousands	Hundreds	Tens	Ones	.	tenths	hundredths
1000 1000 1000 1000	100	10 10 10 10 10 10 10 10	1 1 1 1 1 1	.	0.1 0.1	0.01 0.01 0.01
4	1	8	6	.	2	3

Say it!

four thousand,
one hundred and eighty six,
two tenths and three hundredths

Write it another way!

0.2 = two tenths $0.2 = \frac{2}{10}$

0.03 = three hundredths $0.03 = \frac{3}{100}$

Negative numbers

numbers decreasing ← → numbers increasing

-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6

+1 +1 +1   -1 -1 -1

Say it!

negative 6

Add it!

−5 + 3 = −2

Subtract it!

2 − 3 = −1

Compare it!

−6 is less than −5
2 is more than −2
−3 is less than −1

Key words

increasing – getting bigger
decreasing – getting smaller

Mathematical symbols

<	is less than
>	is more than
=	is equal to

Round it!

2   8

20 21 22 23 24 25 26 27 28 29 30
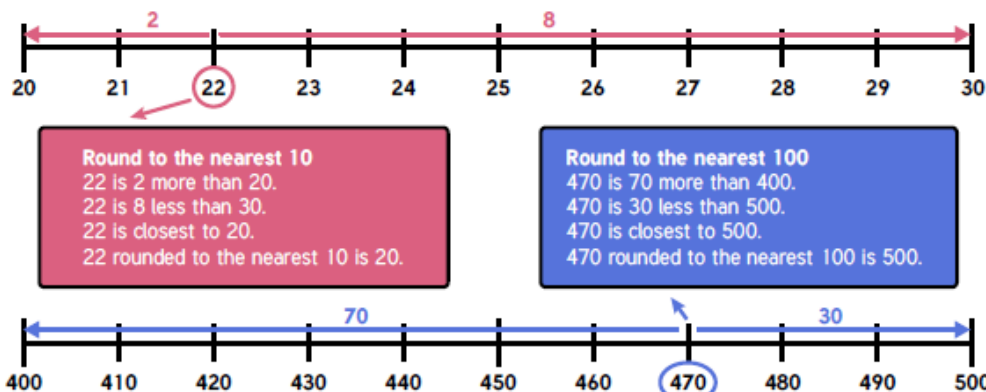
Round to the nearest 10
22 is 2 more than 20.
22 is 8 less than 30.
22 is closest to 20.
22 rounded to the nearest 10 is 20.

Round to the nearest 100
470 is 70 more than 400.
470 is 30 less than 500.
470 is closest to 500.
470 rounded to the nearest 100 is 500.

70   30

400 410 420 430 440 450 460 470 480 490 500