

Year 5

one hundredth
one out of 100 equal parts
one divided by one hundred
 $\frac{1}{100} = 0.01$

$\frac{23}{100} = 0.23$

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

$23 - 10 = 23$
move digits 1 place right

$23 - 100 = 0.23$
move digits 2 places right

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

$0.21 > 0.19$ $1.23 < 1.25$

3.5 rounded to the nearest whole number is 4

4.4 rounded to the nearest whole number is 4

Stop and look!
What do you notice?
Thousands digit round
multiples
positive
negative

Year 5

100,000s 10,000s 1,000s 100s 10s 1s

In order from smallest to largest
543,241 564,406 570,540

Stop and look!
What do you notice?

five hundred and forty-three thousand, two hundred and forty-one
5 hundred thousands, 4 ten thousands, 3 thousands, 2 hundreds, 4 tens and 1 one

100,000 less 100,000 more

224,100 324,100 424,100

5 or more - round up
4 or less - round down

Round to the nearest ten thousand. Round to the nearest hundred thousand.

65,727 → 66,000 65,000 66,000 643,278 → 600,000 600,000 700,000

Year 6

1s $\frac{1}{10}$ s $\frac{1}{100}$ s $\frac{1}{1000}$ s

1.243

one point two, four, three
1 one, 2 tenths, 4 hundredths, 3 thousandths

Compare decimals

$2.345 > 2.343$ $2.455 > 2.343$ $2.3 > 2.299$

5 or more - round up
4 or less - round down

Round to the nearest tenth.
 $6.5\bar{3} \rightarrow 6.5$ 6.5 6.6

Round to the nearest whole number.
 $6.5 \rightarrow 7$ 6 7

Year 6

millions 100,000s 10,000s 1,000s 100s 10s 1s

In order from smallest to largest
2,043,241 2,764,406 2,870,540

Stop and look!
What do you notice?

two million, five hundred and forty-three thousand, two hundred and forty-one
2 millions, 5 hundred thousands, 4 ten thousands, 3 thousands, 2 hundreds, 4 tens and 1 one

$-2 + 3 = 1$

5 or more - round up
4 or less - round down

Round to the nearest million.
 $2,643,278 \rightarrow 3,000,000$ $2,000,000$ $3,000,000$

Multiplying and dividing by 10, 100 and 1000

M	HT	T	Th	100s	10s	1s	$\frac{1}{10}$ s	$\frac{1}{100}$ s	$\frac{1}{1000}$ s
1	3	6	0	0	0	0	0	0	0

Ten times greater Ten times smaller

136×10
move digits one place left

136×1000
move digits 3 places left

$136 \div 10$
move digits one place right

$136 \div 100$
move digits 2 places right

Stop and look!
What do you notice?
Thousands digit round
multiples
positive
negative

5 or more - round up
4 or less - round down

Round to the nearest ten.
 $65\bar{3}8 \rightarrow 6540$ 6530 6540

Round to the nearest hundred.
 $65\bar{3}8 \rightarrow 6500$ 6500 6600

Round to the nearest thousand.
 $65\bar{3}8 \rightarrow 7000$ 6000 7000

Year 4

1000s 100s 10s 1s

In order from smallest to largest
4261, 4406, 4540

Stop and look!
What do you notice?

three thousand, two hundred and forty-one
3 thousands, 2 hundreds, 4 tens and 1 one

1000 less than 3241 is 2241 1000 more than 3241 is 4241

10 less 10 more

243 is 233 243 is 253

Year 4

one tenth
one out of ten equal parts
one divided by ten
 $\frac{1}{10} = 0.1$

digit benches
decimal point

0 $\frac{1}{10}$ $\frac{2}{10}$ $\frac{3}{10}$ $\frac{4}{10}$ $\frac{5}{10}$ $\frac{6}{10}$ $\frac{7}{10}$ $\frac{8}{10}$ $\frac{9}{10}$ $\frac{10}{10}$ $\frac{11}{10}$

Year 3

100s 10s 1s

In order from smallest to largest
261, 406, 540
206, 260, 270, 274

Stop and look!
What do you notice?

two hundred and forty-three
2 hundreds, 4 tens and 3 ones

10 less 10 more

243 is 233 243 is 253

digit benches
decimal point

Place Value

Year 1

1 one 2 two 3 three 4 four 5 five 6 six 7 seven 8 eight 9 nine 10 ten

11 eleven 12 twelve 13 thirteen 14 fourteen 15 fifteen 16 sixteen 17 seventeen 18 eighteen 19 nineteen 20 twenty

Stop and look!
What do you notice?

1 less than 16 is 15 1 more than 16 is 17

20 is more than 14
14 is less than 20

number digit
less
more
greater
ones
tens

Year 2

42 forty-two
4 tens and 2 ones

24 twenty-four
2 tens and 4 ones

42 is more than 24 so
24 is less than 42

Stop and look!
What do you notice?

1 less than 17 is 16 1 more than 17 is 18 1 less than 57 is 56 1 more than 57 is 58

10 less 10 more

10 less than 42 is 32 10 more than 42 is 52

number digit
less
more
greater
ones
tens

Year 2

42
forty-two
4 tens and 2 ones

3 = 3

52 is more than 42
 $52 > 42$

42 is less than 52
 $42 < 52$

Stop and look!
What do you notice?

number digit
less
more
greater
ones
tens

