

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 rounded
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?

Thousands digit rounded
multiples
positive
negative

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

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
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

Millions digit rounded
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?

Thousands digit rounded
multiples
positive
negative

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

1000 less 1000 more

3241 4241

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

10 less 10 more

243 253

10 less than 243 is 233 10 more than 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 $\frac{1}{10}$ $\frac{2}{10}$ $\frac{3}{10}$ $\frac{4}{10}$ $\frac{5}{10}$ $\frac{6}{10}$ $\frac{7}{10}$ $\frac{8}{10}$ $\frac{9}{10}$ $\frac{10}{10}$ 1

0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1

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?

Thousands digit rounded
multiples
positive
negative

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

10 less 10 more

243 253

10 less than 243 is 233 10 more than 243 is 253



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

1 less 1 more

20 is more than 14
14 is less than 20

number digit less more greater ones tens

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

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?

number digit less more greater ones tens

1 less 1 more

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

32 52

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

0 ten twenty thirty forty fifty sixty seventy eighty ninety one hundred



Year 2

42
forty-two
4 tens and 2 ones

3 = 3

7 > 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

10 less 10 more

32 52

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

0 ten twenty thirty forty fifty sixty seventy eighty ninety one hundred

