

Year 6 Maths: Place Value 2.

KEY WORDS

Decimal	Multiple	Ones
Multiply	Factor	Tenths
Divide	Prime	Hundredths
Negative	Place value	Thousandths
Minus	Decimal place	Zero

MULTIPLYING AND DIVIDING BY 10/ 100/ 1000

10 000	1000	100	10	1	●	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
					●			

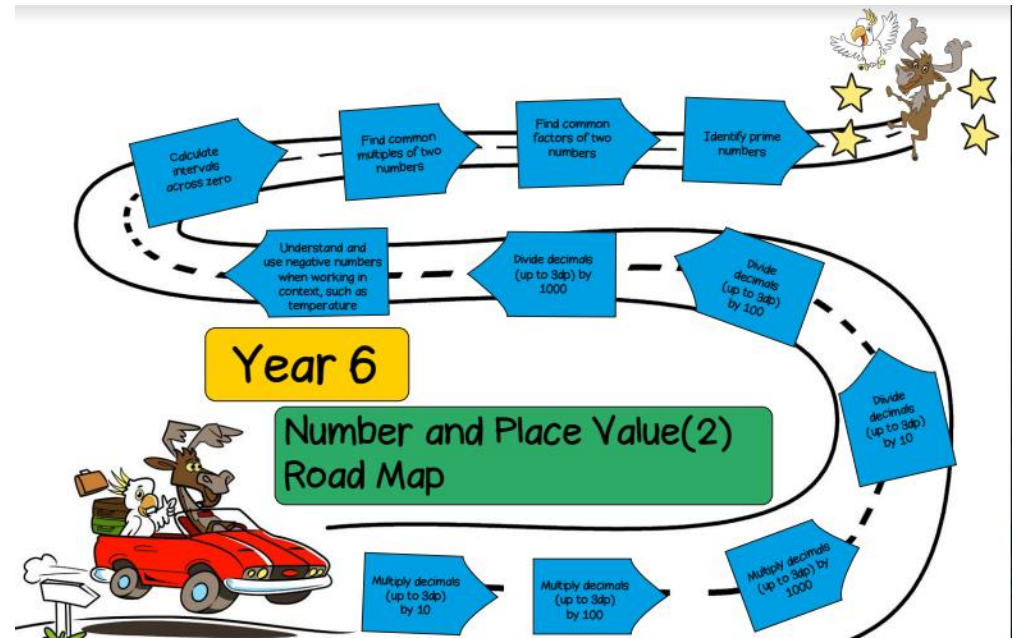
Multiplying by 10, 100 and 1000



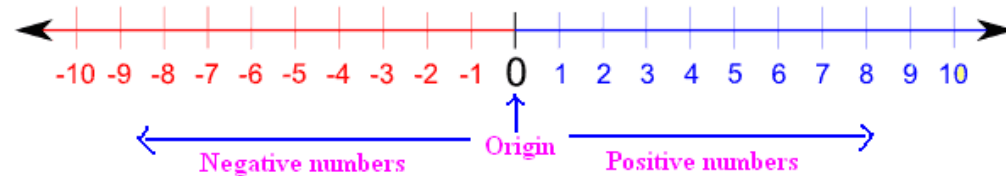
Dividing by 10, 100 and 1000



SEQUENCE:



NEGATIVE NUMBERS:



Common Factors

Factors of 48

1	2	3	4	6	8	12	16	24	48
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Factors of 30

1	2	3	5	6	10	15	30
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Common factors: 1, 2, 3, 6

Common Multiples

Multiples of 3

3	...	18	21	24	...	39	42
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Multiples of 7

7	14	21	28	35	42
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Common multiples: 21, 42...

Primes

A prime number has only 1 and itself as factors: 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43

A composite number has factors other than 1 and itself.

Do It.

Twist It.

Deepen It.

Calculate:
 $123.4 \div 100 =$
 $2.34 \div 100 =$
 $3.4 \div 100 =$
 $0.4 \div 100 =$

Colin thinks that
 $4.38 \div 100 = 438$

Explain why he is incorrect.

Always/ Sometimes/ Never
True

When dividing a number
by 100, you remove two
zeroes.

What it is.

What it is not.

What problems
can I
solve
with this
knowledge?