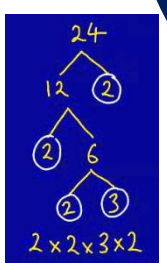
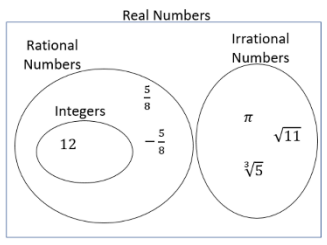
MATHEMATICS

Post 16

revision

show that...





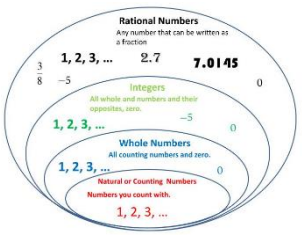
11

reverse percentages

powers and roots

simple and compound interest

YEAR 10



$$a\sqrt{c}+b\sqrt{c}=(a+b)\sqrt{c}$$
$$\sqrt{a}\times\sqrt{b}=\sqrt{ab}$$
$$\sqrt{a}\times\sqrt{a}=\sqrt{a^2}=a$$
$$a\sqrt{b}\times c\sqrt{d}=ac\sqrt{bd}$$

rational numbers

surds

percentage increase/decrease

YEAR 9

7.3×10^{3}

1×10^{-3}

9.36×10^{18}

4×10^{1}

5.002×10^{-7}

multiply and divide fractions

standard form

YEAR 8

$$\frac{2}{4}\times\frac{3}{6}$$

5% of £6.80 =

%

Th	H	T	O	t	h
Thousands 1000	Hundreds 100	Tens 10	Ones 1	Tenths 0.1 $\frac{1}{10}$	Hundredths 0.01 $\frac{1}{100}$

Th	H	T	O	tth	hth	thth
			4			

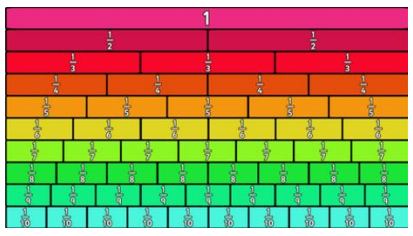
× 10 ÷ 10

× 100 ÷ 100

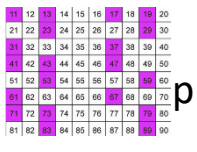
× 1000 ÷ 1000

place value

multiply and divide by powers of 10

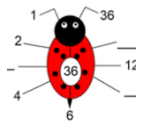


YEAR 7



Coming From Key Stage 2...

primes-mental calculations-common multiples-factors



"Not everything that can be counted counts, and not everything that counts can be counted." Einstein