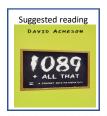


Year 9 – Reasoning with Numbers Numbers



Represented

Multiplying by

a reciprocal

gives the

outcome

same

Want to know more?
Scan the QR code to
visit the curriculum
overview for Year 9
Maths, including topic
summaries, key
words, and books that
you may want to read
in your own time



Use equivalent fractions

Parts shaded

Total number of

parts in the diagram

to find a common multiple for both denominators

What do I need to be able to do?

By the end of this unit you should be able to:

- · Identify integers, real and rational numbers
- Work with directed number
- Solve problems with number
- Find HCF/ LCM

= 600000 + 800000

= 1400000

= 1.4 x 10⁵

 $15 \div 0.3 \times 10^5 \div 10^3$

 $=5 \times 10^{2}$

П

11

- Odd/ Subtract fractions
- Multiply/ Divide fractions
- Write numbers in standard form

Keywords

Integer: a whole number that is positive or negative

Rational: a number that can be made by dividing two integers

Irrational: a number that cannot be made by dividing two integers

Inverse operation: the operation that reverses the action

Quotient: the result of a division

Product: the result of a multiplication.

Multiples: found by multiplying any number by positive integers

Factor: integers that multiply together to get another number

