PROPORTIONAL REASONING

@whisto maths

Ratio and Scale

What do I need to be able to do?

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

- Simplify any given ratio
- Share an amount in a given ratio Solve ratio problems given a part

Solutions should be modelled, explained and

Keywords

Ratio: a statement of how two numbers compare

Equal Parts:: all parts in the same proportion, or a whole shared equally Proportion: a statement that links two ratios

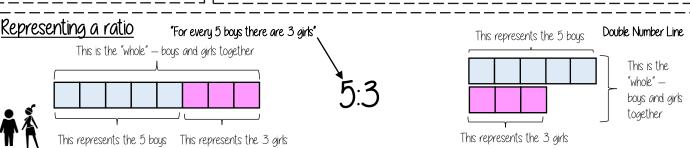
Order: to place a number in a determined sequence

Part: a section of a whole

Equivalent: of equal value

Factors: integers that multiply together to get the original value

Scale: the comparison of something drawn to its actual size

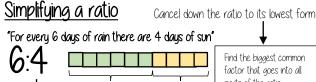




"For every dog there are 2 cats" Dogs: Cats N N

The ratio has to be written in the same order as the information is

e.g. 2:1 would represent 2 dogs for every I cat. X

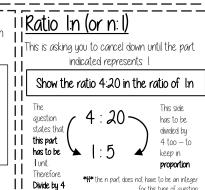


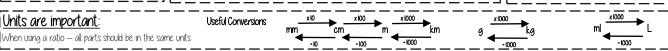
factor that goes into all parts of the ratio rain For 6 and 4 the biggest factor (number that multiplies into them is 2

of rain there are 2 days of sun" — when this happens twice the ratio becomes 6:4.

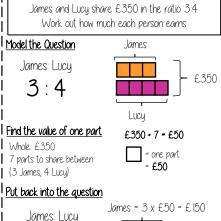
Find the biggest common

П П



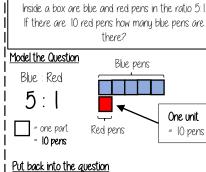






Lucy = $4 \times £50 = £200$

►£ 150:£200



There are 50 Blue Pens

