

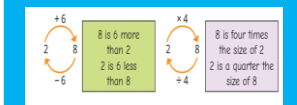


Mathematics Progression– Ratio and proportion, algebra



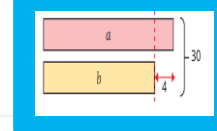
Year 6

Ratio & proportion:
Solve problems involving unequal sharing & grouping using knowledge of fractions & multiples.



Ratio & proportion:
Solve problems involving similar shapes where the scale factor is known or can be found.

Algebra:
Enumerate possibilities of combinations of two variables.

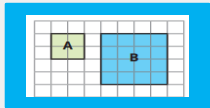


Algebra:
Find pairs of numbers that satisfy an equation with two unknowns.

Complete the table to show the number of circles and stars in the patterns.

Number of stars	1	2	3	5		
Number of circles	2				18	30

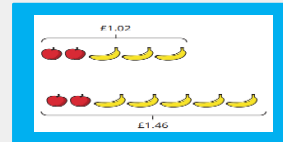
Ratio & proportion:
Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication & division facts.



Ratio & proportion:
Solve problems involving the calculation/use of percentages for comparison.

Algebra:
Use simple formulae.

Algebra:
Generate & describe linear number sequences.



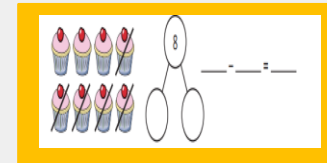
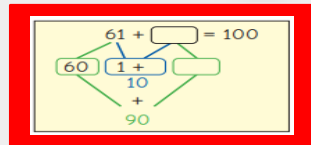
Algebra:
Express missing number problems algebraically.

Year 4

Year 5

Algebra Thinking:
Solve problems, including missing number problems.

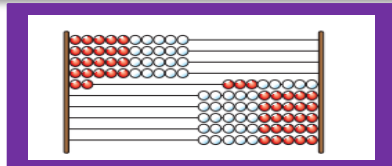
Year 3



Year 2

Year 1

EYFS



Algebra Thinking:
Recognise & use the inverse relationship between addition & subtraction & use this to check calculation & solve missing number problems.

Algebra Thinking:
Solve one-step problems that involve addition & subtraction, using concrete objects & pictorial representations, and missing number problems such as $7 = \square - 9$.