

(Examples indicate end of year expectations)

Reception

LION

Statutory Guidance

Solve problems, including doubling, halving and sharing

Half of 6



Year 1

LEOPARD

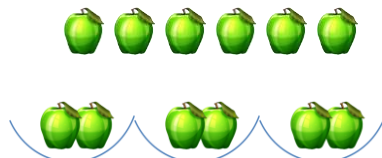
Statutory Guidance

Solve one-step problems involving division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.

Possible representations

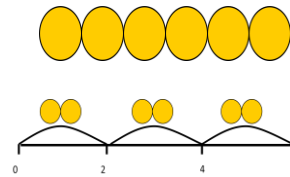
Sharing

How many apples are in each bowl if I share 6 apples between three bowls?



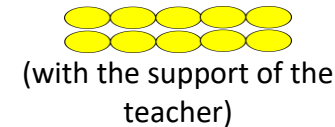
Grouping

Put these counters into groups of two. How many groups are there?



Non- statutory guidance

They make connections between arrays, number patterns, and counting in twos, fives and tens.



Year 2

PANTHER

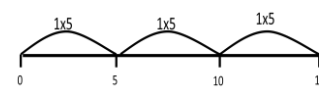
Statutory Guidance

Solve problems involving division, using materials, arrays, repeated addition, mental methods, and division facts, including problems in contexts.

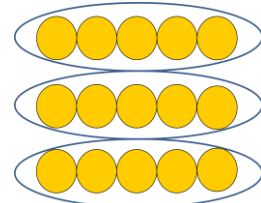
Possible representations

e.g. $15 \div 5 =$

Counting up on a number line.



Using arrays



Division facts: 2,3,5 & 10

Non- statutory guidance

They connect unit fractions to equal sharing and grouping, to numbers when they can be calculated, and to measures, finding fractions of lengths, quantities, sets of objects or shapes.

Year 3

TIGER

Statutory Guidance

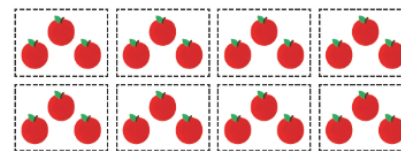
Write and calculate mathematical statements for division using the multiplication tables that they know.

Division facts include: 2,3,4,5,8 and 10.

e.g. $24 \div 8 =$

Possible representations

Put 24 apples into 8 equal groups.



$46 \div 2 =$



Non- statutory guidance

Use known division facts to derive related facts. e.g. If I know that $24 \div 8 = 3$, then... $240 \div 8 = 30$

Year 4

JAGUAR

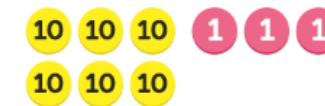
Statutory Guidance

No reference to written division calculations.

Children continue to relate division to known multiplication facts (up to 12×12)

Possible representations

$63 \div 3 =$

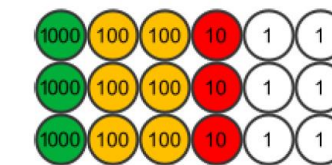


Year 5

LYNX

Statutory Guidance

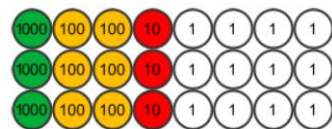
Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context.



What's the same, what's different?

Th	H	T	1s
1	2	1	2
3	3	6	3

Place value counters are useful representations when regrouping is required e.g. $3642 \div 3$



Th	H	T	1s
1	2	1	4
3	3	6	4

$$\begin{array}{r} 8 \ 6 \ r2 \\ 5 \overline{) 432} \\ \underline{40} \\ 32 \\ \underline{30} \\ 2 \end{array}$$

Year 6

PUMA

Statutory Guidance

Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context. Divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context. Long division e.g. $432 \div 15$

$432 \div 15$ becomes

$$\begin{array}{r} 28 \\ 15 \overline{) 432} \\ \underline{30} \\ 132 \\ \underline{120} \\ 12 \end{array}$$

And short division are statutory requirements

$496 \div 11$ becomes

$$\begin{array}{r} 45 \ r1 \\ 11 \overline{) 496} \\ \underline{44} \\ 56 \\ \underline{55} \\ 1 \end{array}$$

Answer: $45 \frac{1}{11}$