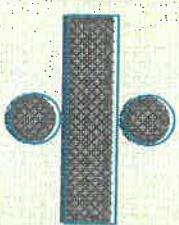


Division Progression Poster

2016



Suggested Language:

Foundation

Share, dividing, groups

Key Stage One

Halve, quarter, equal groups, sharing, remainders, divide.

Lower Key Stage Two

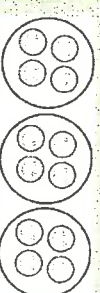
Fraction, how many.

Upper Key Stage Two

Quotient.

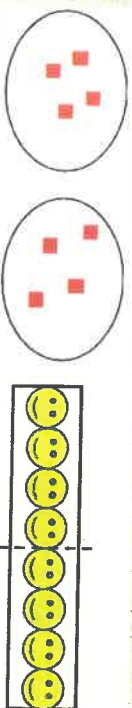
Foundation Stage

Children will understand equal groups and share items out in play and problem solving. Halve objects by sharing.



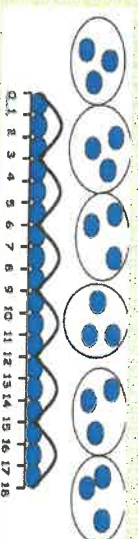
Year One

- Halving by Sharing and simple division by grouping objects
- Begin to find a quarter by halving and halving again



Year Two

- Halving and quartering
- Need to understand division as grouping 2s, 5s, 10s
- Introduction to remainders.
- Repeated subtraction - Jumps on a number line.
- Move quickly to a number line without drawings.



Year Three

- Divide 2 digit by 1 digit progressing from mental to formal written methods

$$\begin{array}{r} 32 \\ 3 \overline{)96} \end{array}$$

Year Four

- Divide 2 digit by 1 digit and 3 digit by 1 digit using formal written methods
- Begin to show remainders as a fraction.

$$\begin{array}{r} 59 \text{ r } 3 \\ 6 \overline{)357} \end{array}$$

Year Five

- Divide numbers up to 4 digits by one digit using the formal written method of short division and interpret remainders as appropriate to the context.
- Also show fraction as a decimal $\frac{1}{8} = 0.125$

$$\begin{array}{r} 0663 \text{ r } 5 \\ 8 \overline{)533029} \end{array}$$

Year Six

- Divide numbers up to four digits by 2 digit numbers using the formal method of long division and interpret remainders as decimals up to 2.d.p, fractions and whole numbers - don't forget the key! Then short division 4 digit divided by 2 digits.
- Also show as a decimal

$$\begin{array}{r} 0812.125 \\ 8 \overline{)6497.000} \end{array}$$

432 ÷ 15 becomes

$$\begin{array}{r} 15 \overline{)432} \\ \underline{30} \\ 132 \\ \underline{120} \\ 120 \\ \underline{120} \\ 0 \end{array}$$

$\frac{15}{432} = \frac{1}{28.8}$

Answer: 28 $\frac{1}{5}$