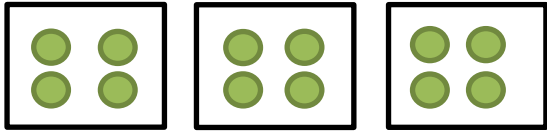


Division

Year 1

Practical division - sharing

12 sweets are divided / shared into 3 bags.
How many sweets are there in each bag?

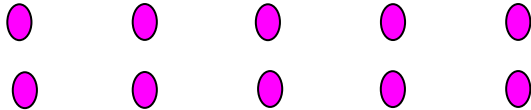


Sharing

$$10 \div 2 = 5$$

How many groups of 2 can 10 be divided into?

Draw a picture to show this.



Year 2

Recording of practical division using the symbols

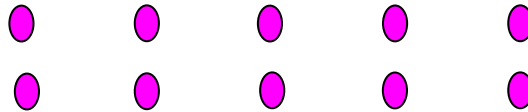
\div and $=$

Sharing

$$10 \div 2 = 5$$

How many groups of 2 can 10 be divided into?

Draw a picture to show this.



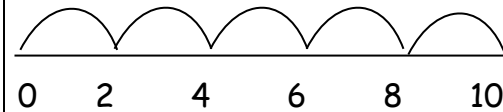
Grouping

Progress to showing this on a number line.

$$10 \div 2 = 5$$

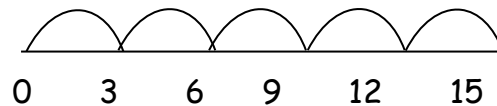
Jump on in steps of two on a number line until 10 is reached.

How many jumps?



Repeated addition (number line)

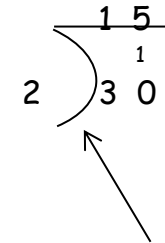
$$15 \div 3 = 5$$



Year 3

Short division - divide 2,3,4,5,8 and 10 into any tens number (no remainder)

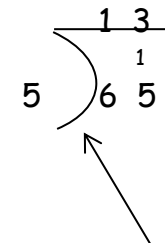
$$30 \div 2 = 15$$



We call this 'goes into!'

Short division - divide 2,3,4,5,8 and 10 into any two digit number (no remainder)

$$65 \div 5 = 13$$



goes into

Division

Year 4

Short division - divide 2,3,4,5,6,7,8,9 and 10 into any tens number (no remainder)

$$50 \div 2 = 25$$

$$\begin{array}{r} 25 \\ 2 \overline{)50} \\ \underline{40} \\ 10 \\ \underline{10} \\ 0 \end{array}$$

← goes into

Short division - divide 2,3,4,5,6,7,8,9 and 10 into any two digit number (no remainder)

$$98 \div 7 = 14$$

$$\begin{array}{r} 14 \\ 7 \overline{)98} \\ \underline{70} \\ 28 \\ \underline{28} \\ 0 \end{array}$$

← goes into

Short division - divide 2,3,4,5,6,7,8,9 and 10 into any three digit number (no remainder)

$$128 \div 4 =$$

$$\begin{array}{r} 32 \\ 4 \overline{)128} \\ \underline{12} \\ 0 \end{array}$$

← goes into

Year 5

Short division - divide any four digit number by a single digit number (no remainder)

$$2355 \div 5 = 471$$

$$\begin{array}{r} 471 \\ 5 \overline{)2355} \\ \underline{20} \\ 35 \\ \underline{30} \\ 55 \\ \underline{50} \\ 5 \end{array}$$

← goes into

Short division - divide any three digit number by a single digit number (with remainders)

$$236 \div 5 = 47 \text{ r } 1$$

$$\begin{array}{r} 47 \text{ r } 1 \\ 5 \overline{)236} \\ \underline{20} \\ 36 \\ \underline{35} \\ 1 \end{array}$$

← goes into

Also express remainder as a fraction $47 \frac{1}{5}$

Short division - divide any four digit number by a single digit number (with remainders)

$$1432 \div 5 = 286 \text{ r } 2$$

$$\begin{array}{r} 286 \text{ r } 2 \\ 5 \overline{)1432} \\ \underline{10} \\ 43 \\ \underline{40} \\ 32 \\ \underline{30} \\ 2 \end{array}$$

← goes into

Also express remainder as a fraction $86 \frac{2}{5}$

Year 6

Long division - divide numbers with up to four digits by a two digit number (no remainder)

$$432 \div 12 = 36$$

$$\begin{array}{r} 36 \\ 12 \overline{)432} \\ \underline{40} \\ 32 \\ \underline{36} \\ 0 \end{array}$$

(20 x 12)
(10 x 12)
(6 x 12)

Long division - divide numbers with up to four digits by a two digit number (with remainders)

$$432 \div 15 = 28 \text{ r } 12$$

$$\begin{array}{r} 28 \text{ r } 12 \\ 15 \overline{)432} \\ \underline{30} \\ 13 \\ \underline{12} \\ 12 \end{array}$$

(20 x 15)
(8 x 15)

Also express as $28 \frac{12}{15}$ which is $28 \frac{4}{5}$

