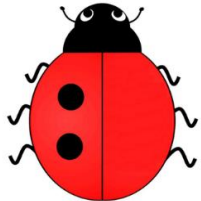


Division overview

Halving and sharing

Halve a number up to 10 and share objects fairly
Using number songs and halving groups using concrete and/or pictorial methods.

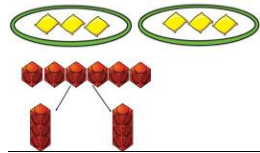
Example:



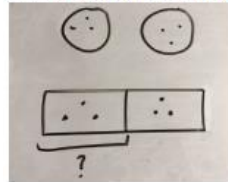
Sharing and arrays

Sharing the total into groups of the amount you are dividing by into groups using objects and pictorial representations.

Example:



Represent the sharing pictorially.



Grouping

$$12 \div 2 = 6$$

| | | | | | |
|---|---|---|---|---|---|
| x | x | x | x | x | x |
| 1 | 2 | 3 | 4 | 5 | 6 |

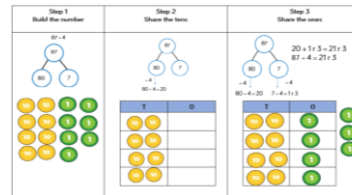
Partitioning

Using division facts that are known to partition the number.

Example:

$$64 \div 8 = 8$$

| | | |
|------------|---|------------|
| 40 | + | 24 |
| 40 ÷ 8 = 5 | | 24 ÷ 8 = 3 |



Short division

Use for dividing larger numbers by one digit numbers. Also known as the bus stop method. Show remainder as a decimal and a fraction.

Example:

$$8 \overline{) 793} r 1$$

Long division

Used for dividing larger numbers by 2 digit numbers. Show remainder as a decimal and a fraction.

Example:

$$4465 \div 19 = 235$$

| | |
|--|--|
| $\begin{array}{r} 0235 \\ 19 \overline{) 4465} \\ - 38 \\ \hline 066 \\ - 057 \\ \hline 095 \end{array}$ | $\begin{array}{l} 019 \\ 038 \\ 057 \\ 076 \\ 095 \end{array}$ |
|--|--|

$$1371 \div 40 = 34 r 11$$

| | |
|--|---|
| $\begin{array}{r} 0034 \\ 40 \overline{) 1371} \\ - 120 \\ \hline 0171 \\ - 160 \\ \hline 011 \end{array}$ | $\begin{array}{l} 040 \\ 080 \\ 0120 \\ 0160 \\ 0200 \end{array}$ |
|--|---|