

Maths - Year 4

Calculating 13: Developing fluency with the short written method of dividing

Key Vocabulary

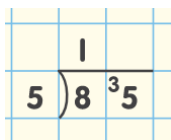
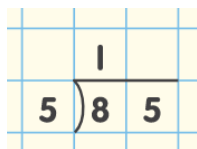
Factor	A number that divides into another number exactly, e.g. 4 is a factor of 8.
Multiple	The product of 2 whole numbers larger than one e.g. 15 is a multiple of 3 and 5.
Divisor	A number by which another number is to be divided.
Remainder	Something that is left over when other parts have been used.
Sharing	Occurs in dividing when we know an amount and want to find out how many times a different amount will go into it.
Exchanging	Borrowing an amount from one place value column and redistributing it to another.
Partition	Splitting a number in different ways, usually to help with calculating, e.g. 27 can be partitioned into 2 tens (20) and 7 ones (7)

Mathematical Skills

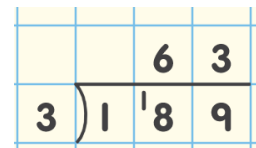
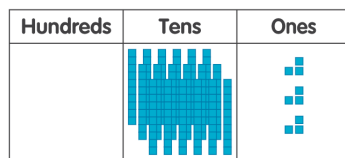
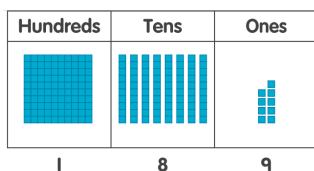
- Record dividing calculations using $\overline{)}$ and \div symbols.
- Review numbers in a dividing calculation to decide whether to use a written or mental method.
- Use the short written method of dividing.
- Divide when necessary to solve measures and money problems.
- Use inverse multiplying facts to check dividing calculations.

Mathematical Methods

- Uniting the 'sharing' and 'grouping' structures for dividing and deciding when to use a written method.
- Developing fluency with the short written method of division.



- Dividing in a measuring context introducing HTO \div O e.g. 189ml \div 3 =



- Dividing in a money context using the short method of dividing.
- Developing fluency and accuracy with the short written method of dividing.

Can you..?

- Solve

$$\begin{array}{r} 6 \overline{) 78} \end{array}$$

- Find the missing number.

$$\begin{array}{r} \square \overline{) 52} \end{array}$$

- An 8 pack of pencils costs £4.96 and a 12 pack of pencils costs £7.20. Which pack is better value?