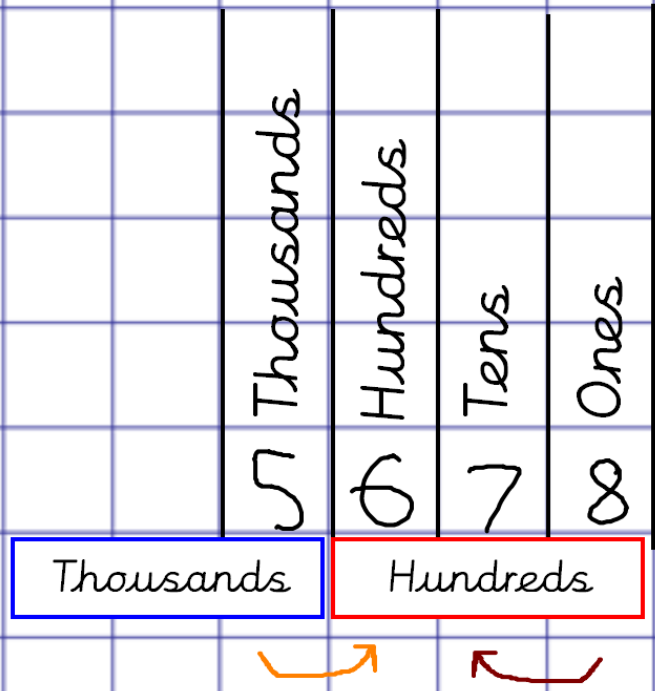
Place Value vocabulary:

- When we move to the left, we are making the digit 10x larger e.g:
  8 x 10 = 80.

- When we move to the right, we are making the digit 10x smaller. e.g:
  5000 ÷ 10 = 500.



Addition vocabulary:

Addend + Addend = Total

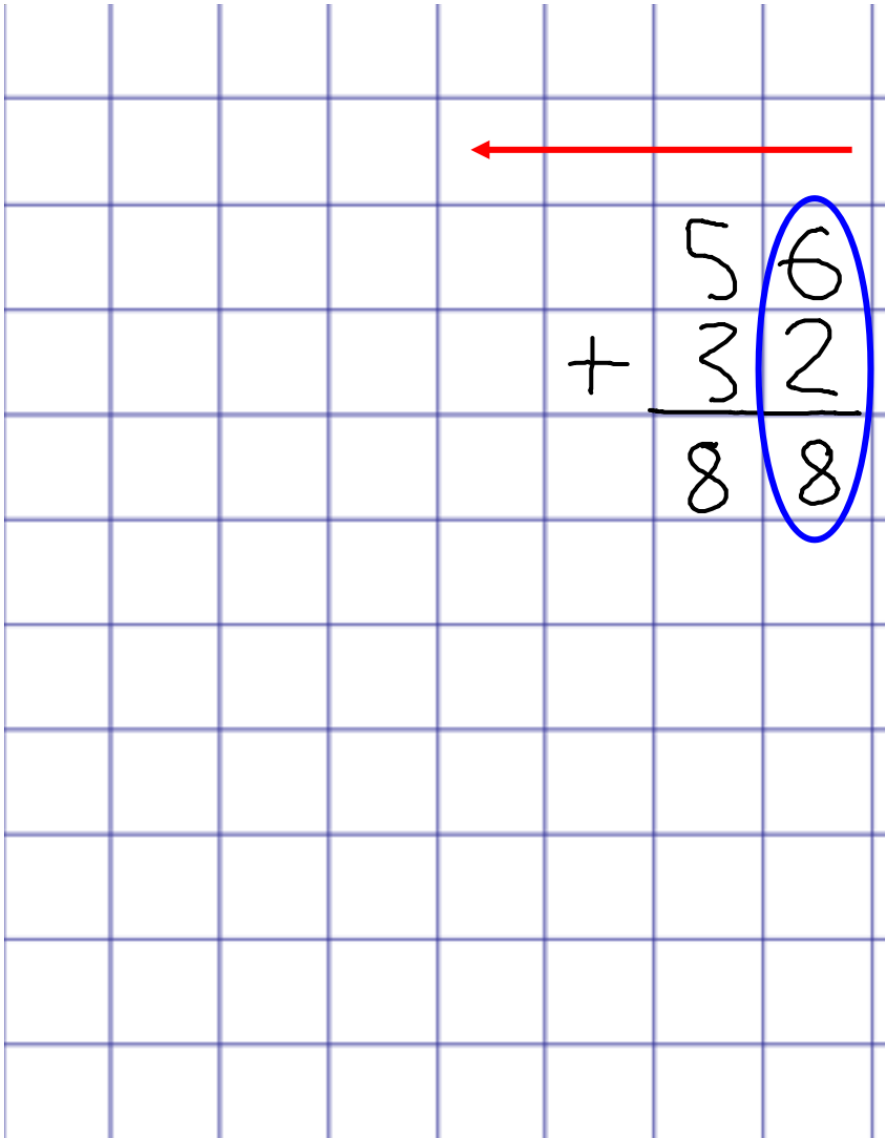
Addend + Addend = Sum

5 + 2 = 7

123 + 27 = 150

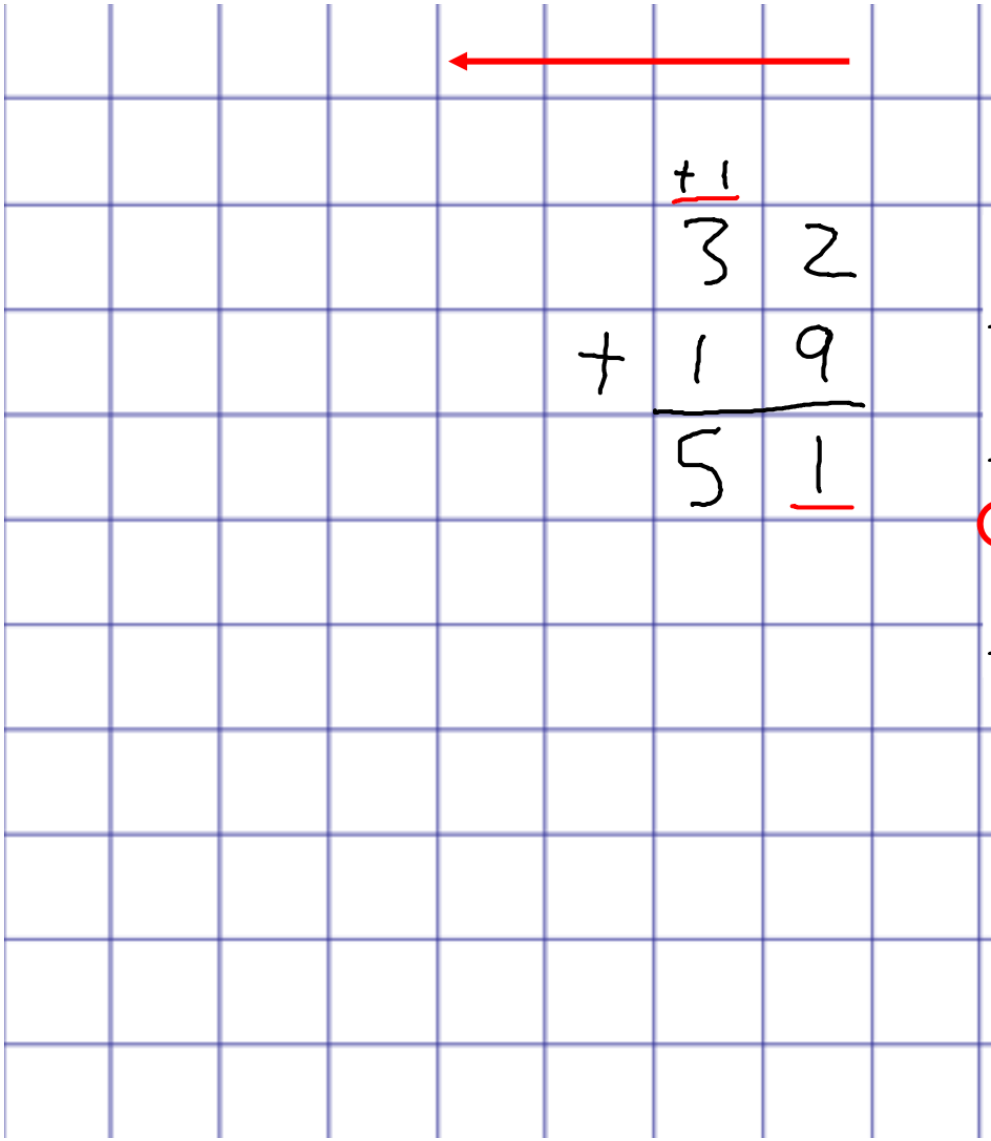
Pupils in Year 2 work with numbers up to One Thousand.

Addition
No carrying



- Start on the right, and move to the left.
- Add each digit that is in the same column.

Addition
With carrying

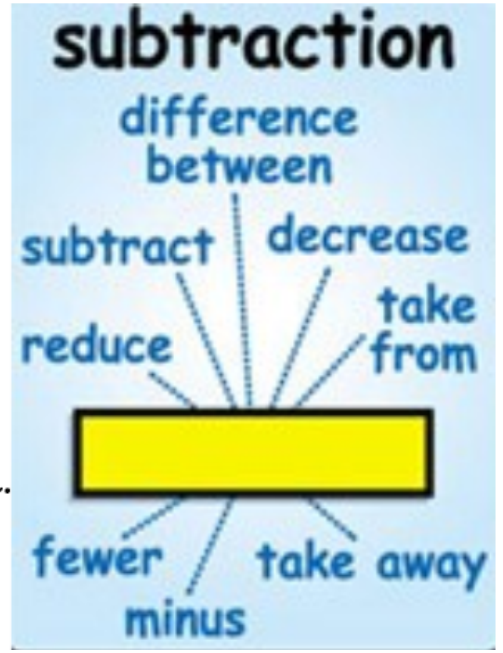


- Start on the right, and move to the left.
- Add each digit that is in the same column.
- When your total is above 9, carry the Tens digit into the next column and write it at the top (e.g. 2 + 9 = 11)

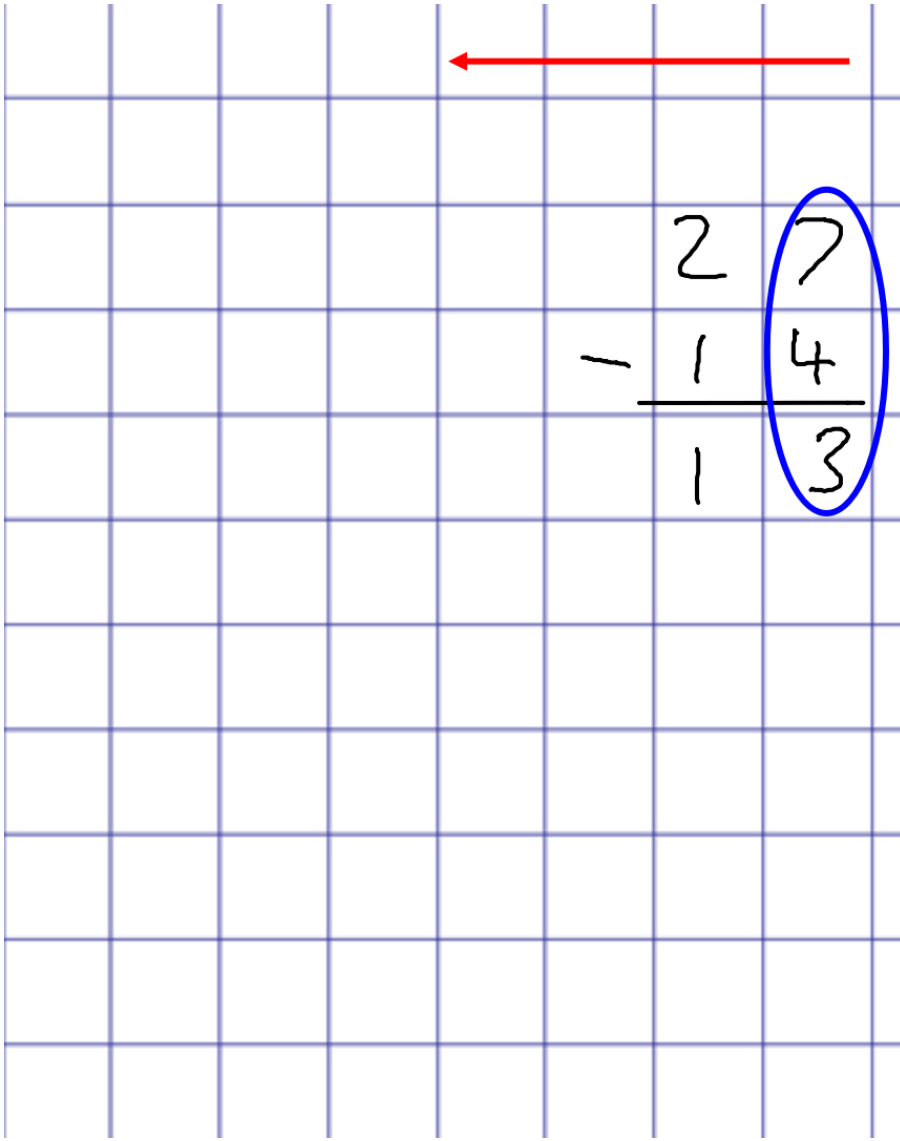
Subtraction vocabulary:

Minuend	-	Subtrahend	=	Difference
5	-	2	=	3
123	-	27	=	96

Pupils in Year 2 work with numbers up to One Thousand.

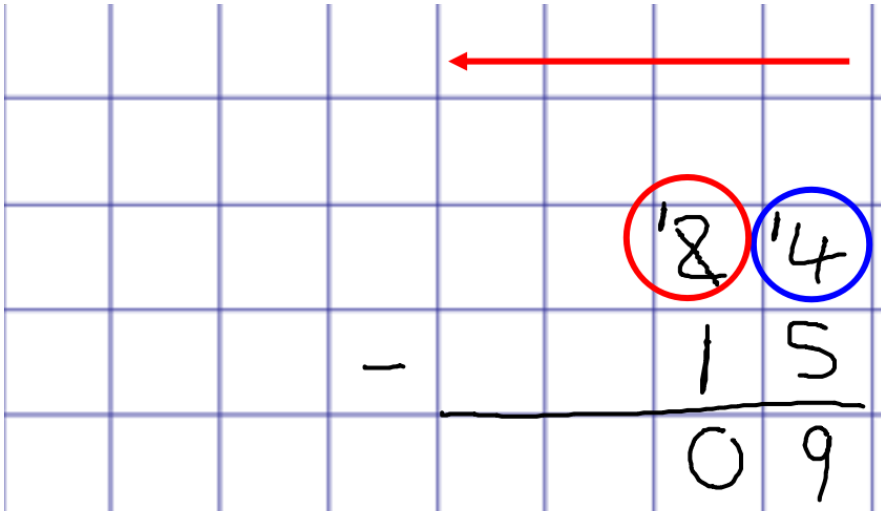


Subtraction
No exchanges



- Start on the right, and move to the left.
- Subtract each digit that is in the same column.

Subtraction With exchanges

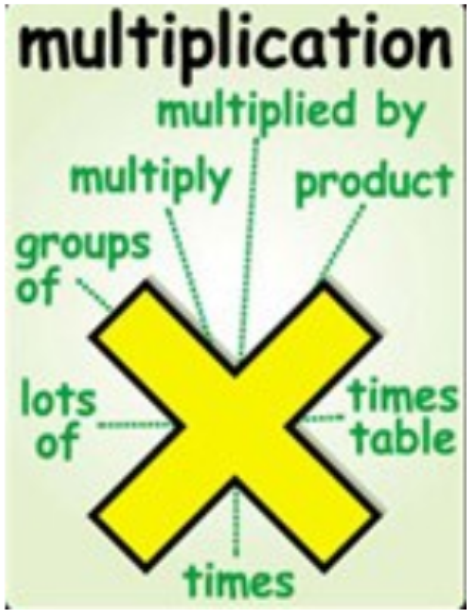


- Start on the right, and move to the left.
- Subtract each digit that is in the same column.
- If you cannot subtract (for example, 4-5), move to the next column and exchange by subtracting 1.
- Bring this into your calculation (14-5) and subtract.

Multiplication vocabulary:

Multiplicand	×	Multiplier	=	Product
Factor	×	Factor	=	Multiple
5	×	2	=	10
56	×	2	=	112

By the end of the year, pupils in Year 2 should know their 0, 1, 2, 5, and 10 times tables facts (multiplication and division).



Multiplication by 10

1 X 1 0 =

1 0

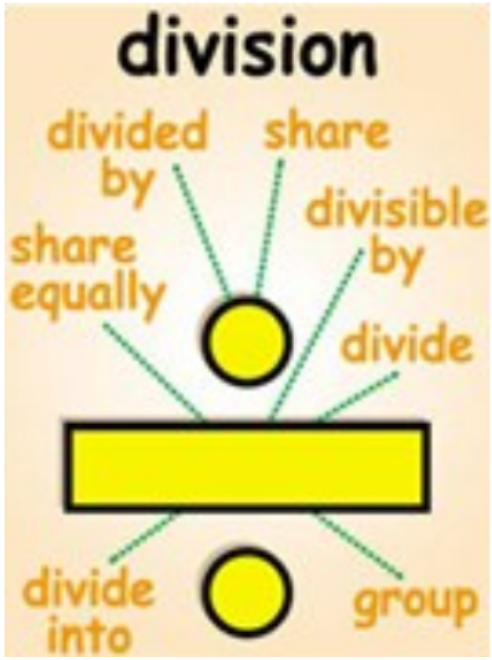
3 1 X 1 0 =

3 1 0

- Count the number of 0's in 10
- Move each digit the same number of places to the left.
- Where required, put placeholder 0's in the columns.

Division vocabulary:

Dividend	÷	Divisor	=	Quotient
10	÷	2	=	5
56	÷	2	=	28



By the end of the year, pupils in Year 2 should know their 0, 1, 2, 5, and 10 times tables facts (multiplication and division).

Dividing by 10

30 ÷ 10 =

3

- Count the number of 0's in 10
- Move each digit the same number of places to the right. The decimal point stays in the same place.

Fraction vocabulary:

$$\frac{1}{2}$$

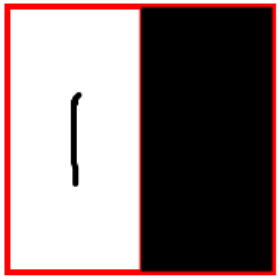
Numerator

The total number of parts

Denominator

The number of parts that we have.

"I have 1 part. My numerator is 1."



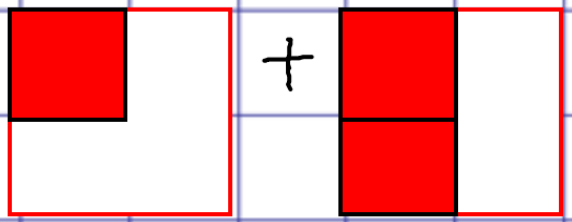
"In total, there are 2 parts. The denominator is 2."

Adding Fractions (same denominators)

$$\frac{1}{4} + \frac{2}{4} = ?$$

$$\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$$

- Add the numerators (the top numbers).
- Leave the denomintors (the bottom numbers) the same.



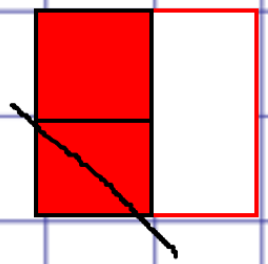
Models and diagrams should be used to assist pupils. Here, we have one quarter and are adding it to two quarters.

Subtracting Fractions (same denominators)

$$\frac{2}{4} - \frac{1}{4} = ?$$

$$\frac{2}{4} - \frac{1}{4} = \frac{1}{4}$$

- Subtract the numerators (the top numbers).
- Leave the denomintors (the bottom numbers) the same.



Models and diagrams should be used to assist pupils. Here, we cross out one of the quarters to show it has been subtracted.