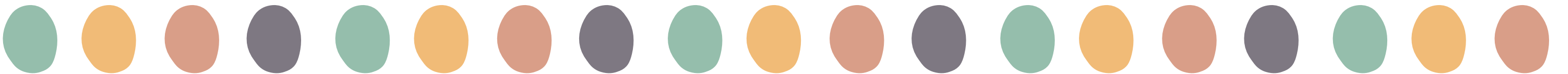


Y3- Overview

	Autumn 1		Autumn 2		Spring 1		Spring 2		Summer 1		Summer 2			
Unit	1	2			3	4	5	6	7	8		9	10	11

	Number and place value
	Number facts
	Addition and subtraction
	Multiplication and division
	Fractions
	Geometry
	Other

Spring 2	Column Subtraction
Ready to progress	3AS-2 Add and subtract up to three-digit numbers using columnar methods.
NCETM documents	WHOLE DOCUMENT https://www.ncetm.org.uk/media/vgkklb4w/ncetm_mm_spl_y3_se2l_teach.pdf
Small steps	To identify the minuend and subtrahend in column subtraction. To use column subtraction to subtract from a 2 or 3-digit number To subtract from a 2 digit number using column subtraction with regrouping To subtract from a 3 digit number using column subtraction with regrouping To make efficient use of subtraction strategies including column subtraction.
Links	NCETM- https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.ncetm.org.uk%2Fmedia%2Fjcbfoavd%2Fcp-year-3-unit-7-column-subtraction.pptx&wdOrigin=BROWSELINK OAK https://www.thenationalacademy/teachers/programmes/maths-primary-ks2/units/column-subtraction/lessons?sid-167241=DSuW7hArKx&sm=0&src=3 WHITE ROSE https://assets.whiteroseeducation.com/new-schemes/Y3%20Autumn%20Block%202%20SOL%20Addition%20and%20subtraction.pdf Mastery with greater depth https://www.ncetm.org.uk/media/oaqfcvjg/mastery_assessment_y3.pdf
Reasoning	True or false? Are these number sentences true or false? 597 + 7 = 614 804 - 70 = 744 768 + 140 = 908 Give your reasons. Hard and easy questions Which questions are easy / hard? 323 + 10 = 393 + 10 = 454 - 100 = 954 - 120 = Explain why you think the hard questions are hard? Convince me + + The total is 201 Each missing digit is either a 9 or a 1. Write in the missing digits. Is there only one way of doing this or lots of ways? Convince me Making an estimate Which of these number sentences have the answer that is between 50 and 60 174 - 119 333 - 276 932 - 871 Always, sometimes, never Is it always, sometimes or never true that if you subtract a multiple of 10 from any number the units digit of that number stays the same. Is it always, sometimes or never true that when you add two numbers together you will get an even number



Problem solving



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Glossary

- Minuend - The minuend is the number being subtracted from.
- Subtrahend - A subtrahend is a number subtracted from another.
- Difference - The difference is the result after subtracting one number from another.
- Column subtraction - Column subtraction is a way of subtracting numbers by writing a number below another.
- Regroup - The process of unitising and exchanging between place values is known as regrouping.
- Efficient - Being efficient means finding a way to solve a problem quickly whilst also maintaining accuracy.
- Mental strategy - A mental strategy is a method chosen to find something out which can be done in your head or with some jottings.

Stem sentences

Minuend minus subtrahend is equal to the difference.

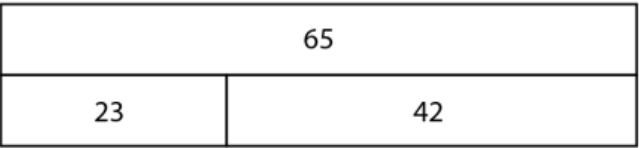
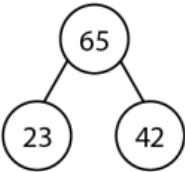
Dienes-
One(s) minus _____ one(s) is equal to _____ ones.
_____ ten(s) minus _____ ten(s) is equal to _____ tens.

Column Subtraction-
The ones column represents _____ one(s) minus _____ one(s) is equal to _____ ones.
The tens column represents _____ ten(s) minus _____ ten(s) is equal to _____ tens.

Representations

$$\begin{aligned} 65 - 23 &= 65 - 20 - 3 \\ &= 45 - 3 \\ &= 42 \\ \mathbf{65 - 23 = 42} \end{aligned}$$

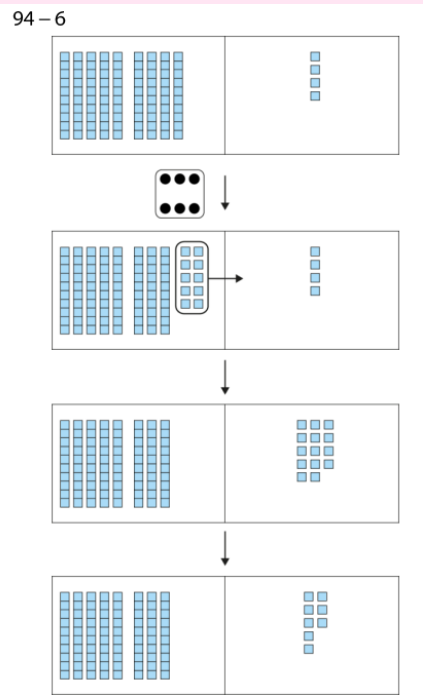
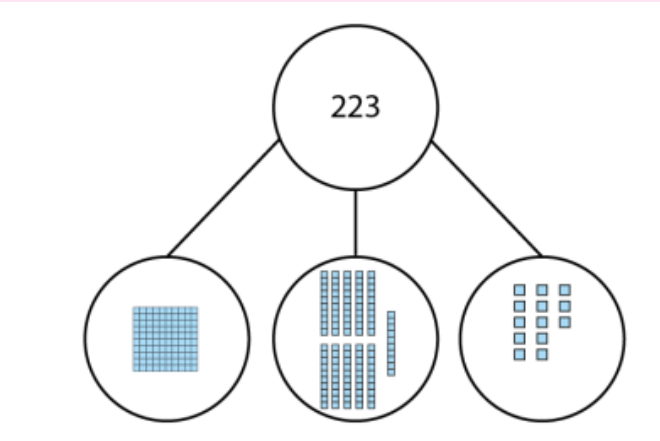
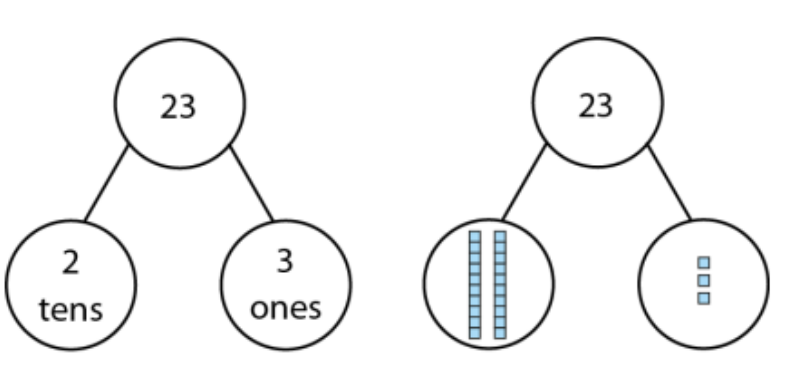
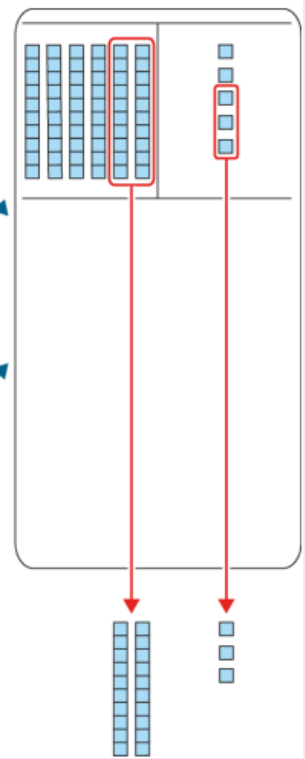
Part-part-wholes:



Column subtraction:

$$\begin{array}{r} 65 \\ - 23 \\ \hline 42 \end{array}$$

10s	1s
6	5
- 2	3
4	2



10s	1s
9	4
- 2	6
7	8

10s	1s
9 8	14
- 2	6
6	8

10s	1s
9 8	14
- 2	6
6	8

