

Castlefield School- Maths

Topic: Addition and Subtraction within 10 000 000

Year: Six

Theme: Addition and Subtraction

Key concepts and questions

Which operation should be used?

- There will be key words within the question to help uou. For addition, add, altogether, combined, total, how many, sum, and increase. For subtraction, difference, decrease, how many more, how many left, less than, minus, subtract, reduce, remove, take away.

Why must column addition and subtraction always begin from the ones column?

- In addition, you may need to carry by exchanging. For example, 10 ones for 1 ten or 10 tens for 1 hundred.
- In subtraction, you may need to borrow by exchanging. For example, 1 hundred for 10 tens, 1 ten for 10 ones.

What is bridging?

Place value

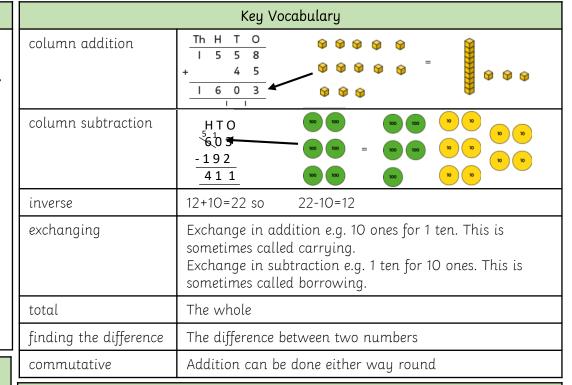
Bridging is adding or subtracting across a multiple of 10, 100, 1000, 10000, 100000 or 1 000 000 e.g. 137+6. 7+6 is > 10 so it will bridge the next multiple of 10.

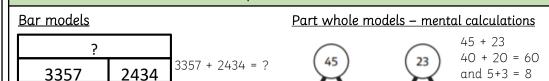
Making connections

Both column addition and subtraction use place value, it is important that the columns are lined up correctly. If there is a O in a number, this is a placeholder, it needs to be put in the correct column, e.g. 603, the 0 tells us there are no tens. HTO

	Th	Н	Т	0	123
_	T	8Я	¹⁴ 8	12	+694
	1	5	5	8	$\frac{+034}{817}$
		3	a	4	. 017
					. +

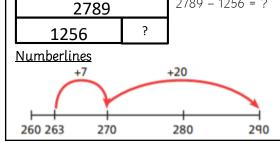
Efficient Use mental methods and known facts to choose the guickest and most accurate method methods for addition and subtraction.





2789 - 1256 = ?

Representations



Help with counting on and back, and are useful for visualising bridging multiples of 10, 100, 1000, 10000, 100 000 and 1 000 000

60 + 8 = 68