



YEAR 5 MATHS: ADDITION AND SUBTRACTION 2026-2027

Addition and Subtraction		Knowledge Organiser	
Key Vocabulary	Addition	Subtraction	
Add	Place Value Grid: $3274 + 5601 = 8875$		Place Value Grid: $35\ 727 - 6313 = 29\ 414$
Total	Th 1000 1000 1000 1000 1000 1000 1000 1000	TTh 10 000 10 000 10 000	2 ten thousands left
Make			
Plus	H 100 100 100 100 100 100 100 100	Th 1000 1000 1000 1000 1000 1000 1000 1000 1000	5 thousands – 6 thousands cannot be done. Exchange ten thousand for ten thousands becoming 15 thousands – 6 thousands = 9 thousands
Sum			
More	T 10 10 10 10 10 10 10	H 100 100 100 100 100 100 100	7 hundreds – 3 hundreds = 4 hundreds
Altogether			
Difference	O 1 1 1 1 1	T 10 10	2 tens – 1 ten = 1 ten
Subtract			
Less	O 1 1 1 1 1 1 1	O 1 1 1 1 1 1 1	7 ones – 3 ones = 4 ones
Minus			
Take away	Column Method		
Column addition	Starting with the ones, add each column in turn. Regroup tens, hundreds, thousands, ten thousands and/or as required.		
Column subtraction	45864 +23497 <		



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Estimate and Approximate		Inverse Operations							
Rounding to Estimate		Use the inverse to check:							
$41\ 635 + 7386 = 49\ 021$		$53\ 476$							
Round to ten:		$32\ 732$ $20\ 744$							
$41\ 630 + 7380 = 49\ 010$		To check $53\ 476 - 32\ 732 = 20\ 744$ use $32\ 732 + 20\ 744 = 53\ 476$							
$41\ 630 + 7390 = 49\ 020$									
$41\ 640 + 7390 = 49\ 030$									
Rounding is not as accurate when both numbers are rounded up. A better estimate comes from "rounding" one down and one up.		Start with a number, subtract 409 and double. I end with 6264. To find the starting number use the inverse: halve, then add 409. Half of 6264 = 3132. $3132 + 409 = 3541$. The starting number was 3541.							
Estimating on a Number Line		Multistep Problems							
		Using a Bar Model							
The arrow is about $\frac{3}{4}$ of the way across the line so it is 40 000.		The sum of two numbers is 25 567. The difference is 1875.							
									
		Subtract 1875 from 25 567 = 23 692. Halve 23 692 to find smaller number = 11 846. Add 1875 to find larger number = 13 721.							
		<table><tr><td>£20</td><td>£20 is used to buy 2 books costing</td></tr><tr><td>£3.75 £8.49 ?</td><td>£3.75 and £8.49.</td></tr><tr><td>£12.24 £7.76</td><td>How much change is given?</td></tr></table>		£20	£20 is used to buy 2 books costing	£3.75 £8.49 ?	£3.75 and £8.49.	£12.24 £7.76	How much change is given?
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		$£3.75 + £8.49 = £12.24$ $£20.00 - £12.24 = £7.76$							