Queen's Park C.E/U.R.C Primary School Medium Term Planning: Maths



Year 5 Addition and Subtraction Progression Steps

Long Term Plan Coverage (taken from National Curriculum): Pupils should be taught:

- add and subtract numbers mentally with increasingly large numbers
- Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)
- use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy
- solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
- solve problems involving number up to two decimal places

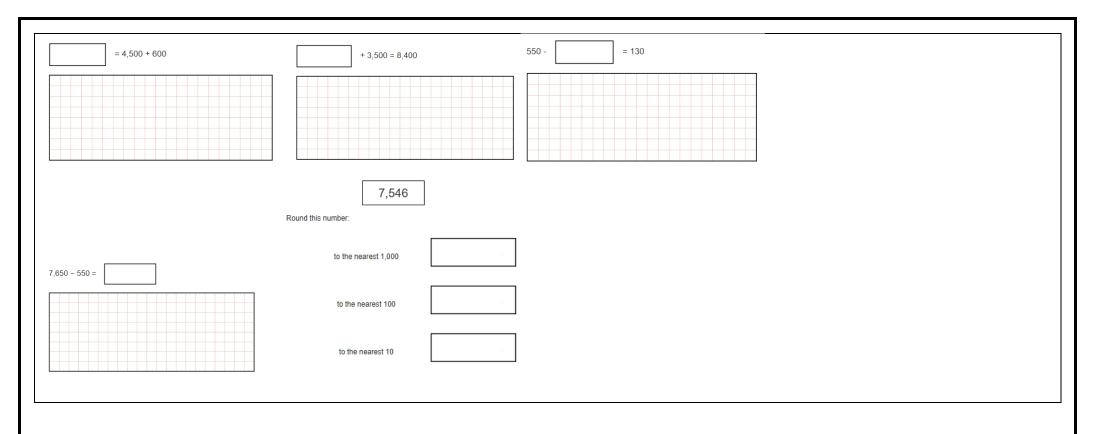
Pre Assessment | Coverage (this covers progression step | and 2)

Y4 recap

Rounding numbers to the nearest 10,100,1000

Add and subtract ls, 10s, 100s and 1,000 (up to four digits)

Number bonds to hundred



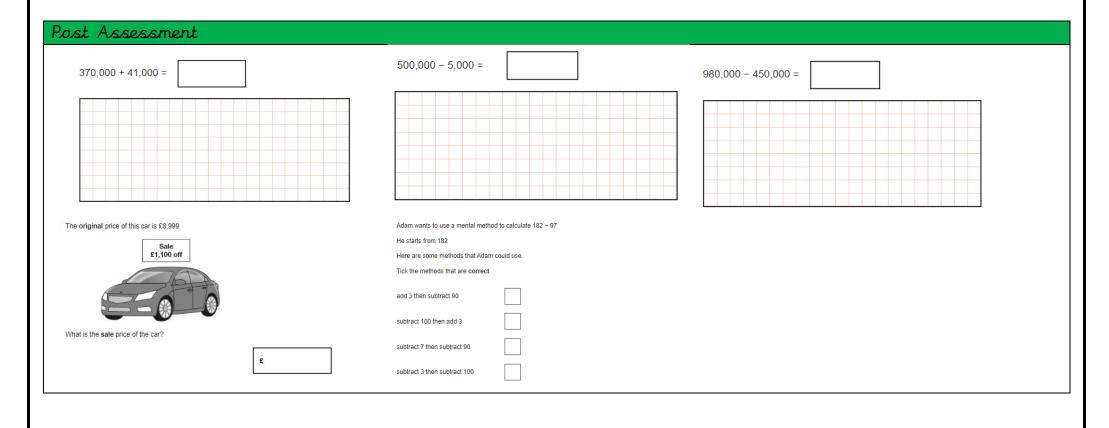
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• add and subtract numbers mentally with increasingly large numbers

Link to National	Add and subtract numbers mentally with increasingly large numbers
Curriculum	
Possible Pre	Depending on your outcome of your pre-assessment, you may need to revisit the year 4
Learning to be	objectives (see pre-assessment coverage above)
revisited	
White Rose Small	Mental Strategies
Steps which could	
be used	

Progression Step 2:

Use rounding to calculate mentally and estimate	
Link to National	use rounding to check answers to calculations and determine, in the context of a problem,
Curriculum	levels of accuracy
Possible Pre	Depending on your outcome of your pre-assessment, you may need to revisit the year 4
Learning to be	objectives (see pre-assessment coverage above)
revisited	
White Rose Small	Round to check answers (new scheme)
Steps which could	
be used	



Pre Assessment 2 Ca	verage (this covers progression step 3 and 4)	
	Y4 objectives to be recapped:	
0	Addition of numbers up to 4 digits with no exchange	
0	Addition of numbers up to 4 digits with one or more exchange	
Progression Step 3:		
• Column addition of whole numbers with more than 4 digits without exchange including problems		
• Column addition of whole numbers with up to two decimal places without exchanging including solving		
problems (possil	problems (possible context of money)	
Link to National	Add and subtract whole numbers with more than 4 digits, including using formal written	
Curriculum	methods (columnar addition and subtraction	
	solve addition and subtraction multi-step problems in contexts, deciding which operations	
	and methods to use and why	
	solve problems involving number up to two decimal places	
Possible Pre	Children will be taught this knowledge in Year 4 ad this unit should be heavily focused	
Learning to be	on reasoning and problem solving following a quick retrieval of fluency strategy. Your	
revisited	pre-assessment will inform how long you need to spend on this retrieval	
White Rose Small	No small step resource for these steps as WR includes exchange	
Steps which could		
be used		

Progression Step 4:

- Column addition of whole numbers with more than 4 digits with exchange including problems
- Column addition of whole numbers with up to two decimal places with exchanging including solving problems (possible context of money)

L	ink to National	Add and subtract whole numbers with more than 4 digits, including using formal written
C	Curriculum	methods (columnar addition and subtraction
		solve addition and subtraction multi-step problems in contexts, deciding which operations
		and methods to use and why solve problems involving number up to two decimal places

Possible Pre	Children will be taught this knowledge in Year 4 ad this unit should be heavily focused	
Learning to be	on reasoning and problem solving following a quick retrieval of fluency strategy. Your	
revisited	pre-assessment will inform how long you need to spend on this retrieval	
White Rose Small	Add whole numbers with more than four digits	
Steps which could		
be used		

Post Assessment

(This should be a range of fluency, problem solving and reasoning questions assessing the objectives above)

Pre Assessment 3 Coverage (this covers progression step 4 and 5)

Y4 objectives to be recapped:

Subtraction of numbers up to 4 digits with no exchange Subtraction of numbers up to 4 digits with one or more exchange

Progression Step 4:

- Column subtraction of whole numbers with more than 4 digits without exchange including problems
- Column subtraction of whole numbers with up to two decimal places without exchanging including solving problems (possible context of money)

Link to National	Add and subtract whole numbers with more than 4 digits, including using formal written
Curriculum	methods (columnar addition and subtraction
	solve addition and subtraction multi-step problems in contexts, deciding which operations
	and methods to use and why solve problems involving number up to two decimal places

Possible Pre	Children will be taught this knowledge in Year 4 ad this unit should be heavily focused
Learning to be	on reasoning and problem solving following a quick retrieval of fluency strategy. Your
revisited	pre-assessment will inform how long you need to spend on this retrieval
White Rose Small	No small step resource for these steps as WR includes exchange
Steps which could	
be used	
Progression Step 5:	
• Column subtraction of whole numbers with more than 4 digits with exchange including problems	
• Column subtraction of whole numbers with up to two decimal places with exchanging including solving	
problems (possib	ale context of money)
Link to National	Add and subtract whole numbers with more than 4 digits, including using formal written
Curriculum	methods (columnar addition and subtraction
	solve addition and subtraction multi-step problems in contexts, deciding which operations
	and methods to use and why solve problems involving number up to two decimal places
Possible Pre	Children will be taught this knowledge in Year 4 ad this unit should be heavily focused
Learning to be	on reasoning and problem solving following a quick retrieval of fluency strategy. Your
revisited	pre-assessment will inform how long you need to spend on this retrieval
White Rose Small	Subtract whole numbers with more than four digits
Steps which could	
be used	

Post Assessment

(This should be a range of fluency, problem solving and reasoning questions assessing the objectives above)