MATHSFRAME Structure why.

L.O. To solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

	Menu		Here is part of the menu from an Indian restaurant.													
			Adam wants to get a chicken balti, mushroom rice and small naan.													
<u>ваш:</u>			He has £10 . How much more money does he need?													
	Chicken	£6.95														
	Prawn	£7.45														
	Vegetable	£5.95														
	Lamb	£6.35														
<u>Rice:</u>																
	boiled (large)	£2.35														
	boiled (small)	£1.85														
	mushroom	£2.80	Felix has a prawn balti, small boiled rice and garlic naan.													
	egg fried	£2.55	Gabs has a vegetable balti and large naan.													
Naan:			How much more does Felix pay than Gabs?													
	small	£1.75														
	large	£2.40														
	garlic	£2.70														
	keema	£3.35														
	peshwari	£2.95														
P.T.O for drinks																

Nick gets a lamb balti, egg fried rice, small naan and a glass of lemonade.

He pays £11.90.

How much does a glass of lemonade cost?

A											

Marcus orders a chicken balti, a rice and a naan.

He pays £11.70

What type of rice and naan did he order?



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Teacher's notes

Useful interactive games to teach the skills needed for solving 2 step addition and subtraction problems:



http://mathsframe.co.uk/en/resources/resource/154/ using a calculator finding change

Interpret a two step word problem and use the calculator to solve.



http://mathsframe.co.uk/en/resources/resource/242/ Column_Subtraction_using_Place_Value_Counters

Uses place value counters to help children 'see' the need for exchanging / borrowing.



0+ 30 + 9

49 + 31 + 124 + 331 = ?

Addition and Subtraction

50 + 6 = 7

http://mathsframe.co.uk/en/resources/resource/241/ Expanded_Addition_using_Place_Value_Counters

Uses place value counters to help children 'see' the carrying, as 10 ones are transformed into a ten counter, or 10 tens are transformed into a 100 counter.

http://mathsframe.co.uk/en/resources/resource/48/column_subtraction

Practise column subtraction. Lots of choice over level. Scaffolds the process, so is a good starting point before moving on to independent written methods.

http://mathsframe.co.uk/en/resources/resource/22/column_addition

Practise column addition. Lots of choice over level. Scaffolds the process, so is a good starting point before moving on to independent written methods.

Image: Signal state state

of addition and subtraction

http://mathsframe.co.uk/en/resources/category/9/ addition and subtraction

Lots of games to practise quick recall of addition facts and number bonds, which are vital skills for formal addition.

Answers: 1) £1.50 2) £3.65 3) £1.25

4) large boiled rice & large naan