## Measures: Length, perimeter and area

2 1 0 3 2 2

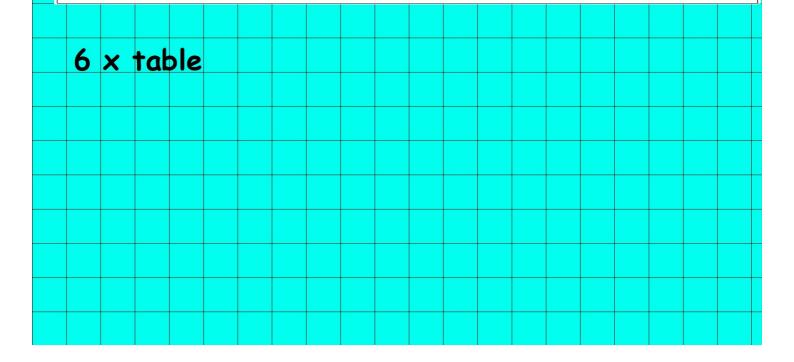
LO: To develop fluency with times table facts.

I know that times table equations are commutative.

I can use concrete resources and a counting stick to help me explain the key concepts of multiplication

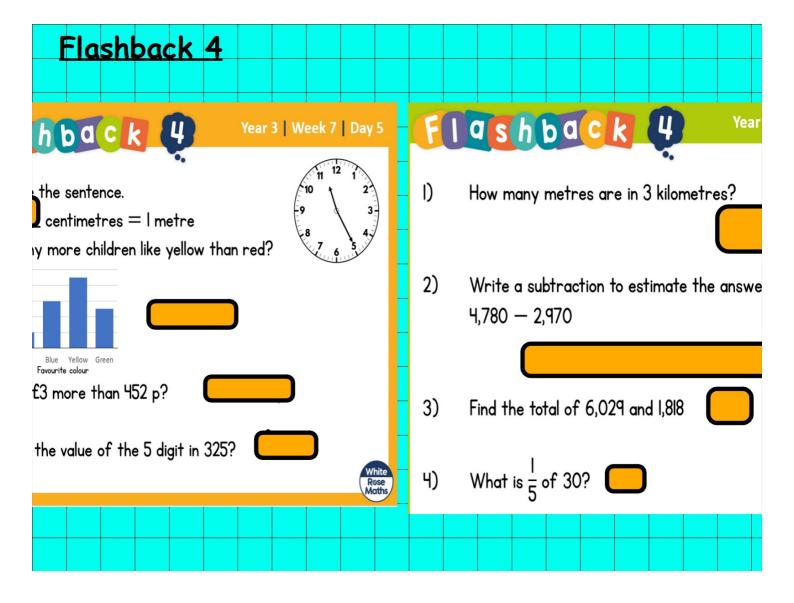
I understand how to use known times table facts to help me develop my knowledge of those I don't know.

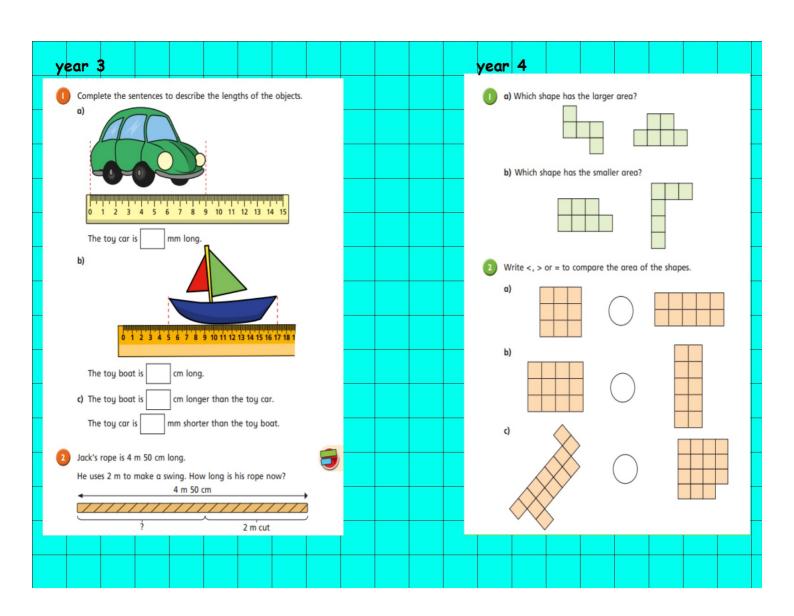
My speed on Times Table rockstars is

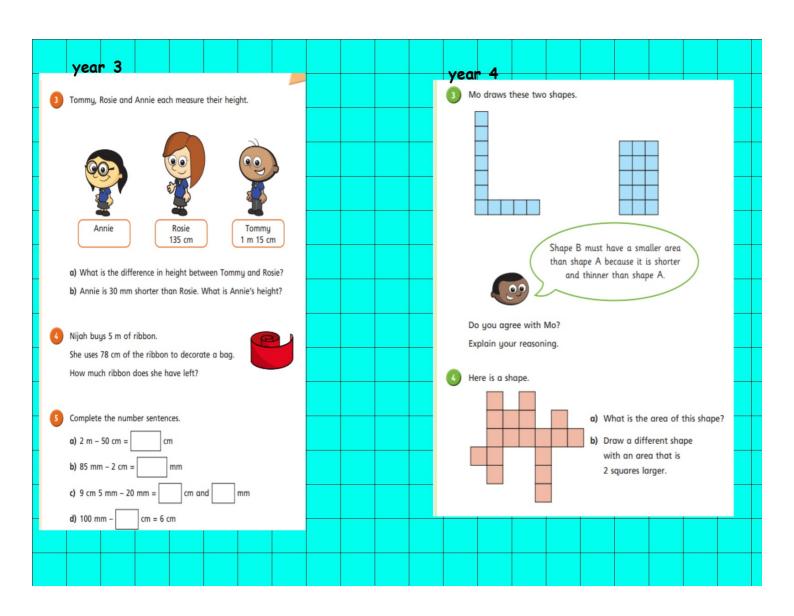


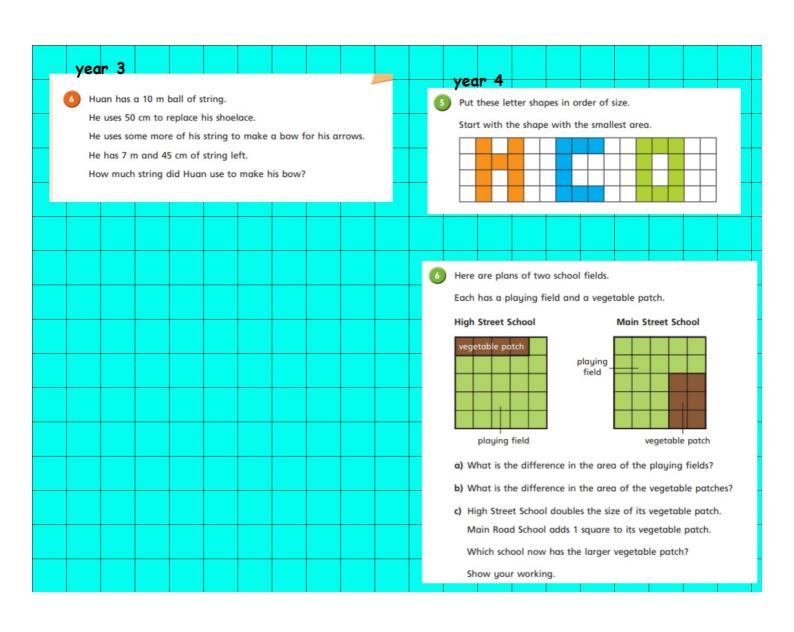
	Fl	as	sh	bo	LC	<u>k</u>	4											
Y	ear	- 3								Y	ear	- 4						
3	8	9	+	2	2	7=				3	5	8	3	+	1	3	4	3 =
7	3	8	_	4	3	9	=			5	6	4	9	_	1	2	7	4:
5	7	X	3							1	5	7	X	4	_			
7	8	X	4	=						1 -	- <u>3</u>	<u> </u>	<b>-</b>					
											8							

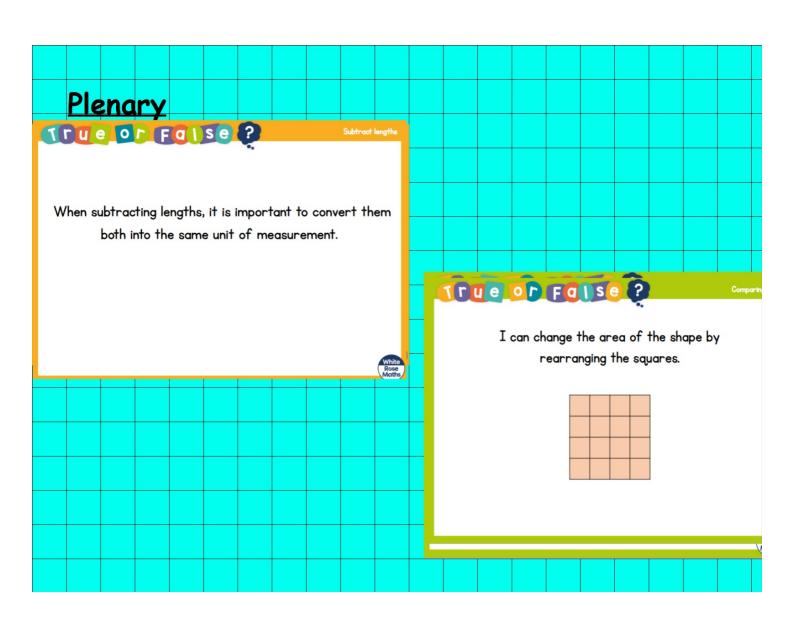
2 2.0 3. 2 2											
LO: To understand how to subtract lengths.											
I know that I need to find the most efficient way		year 3									
I can use take away and finding the difference	to subtract.										
I understand that I need to convert the measurer	nent to the same units to subtract them efficiently.										
	LO: To compare the area of shapes.										
year 4	I know how much larger or smaller the area of a shape is compared to another shape.										
	I can use greater than and less than to compare the area of shapes.										
	I understand how to use my knowledge of comparing the area of shapes to order them from										
	largest to smallest and smallest to largest.										

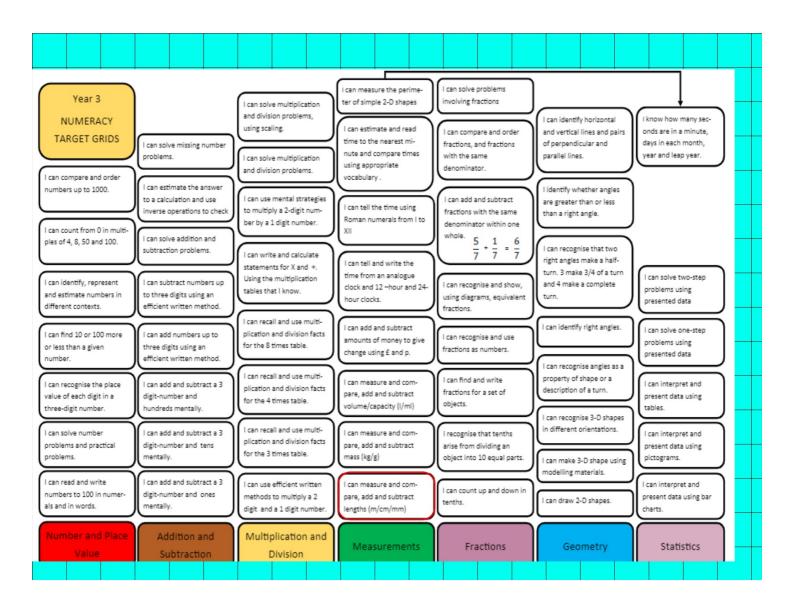




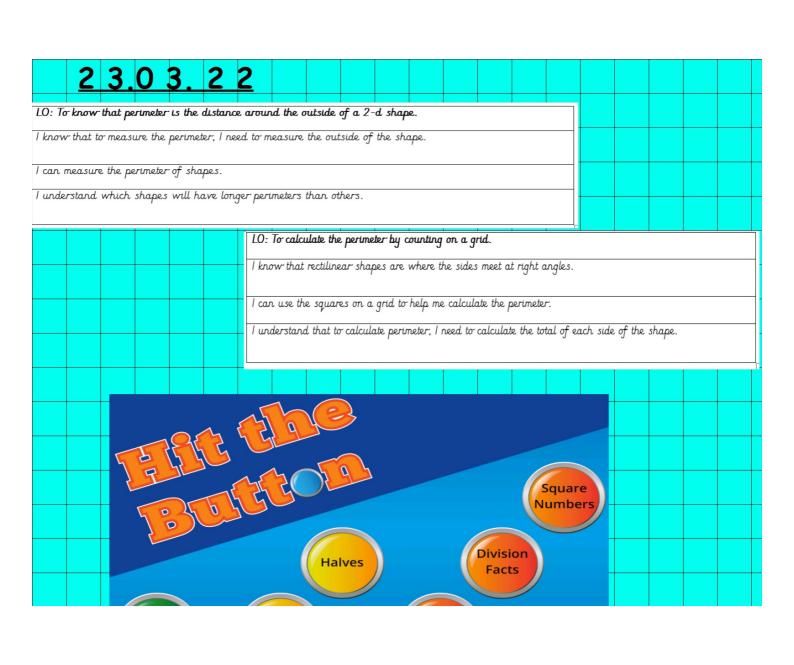


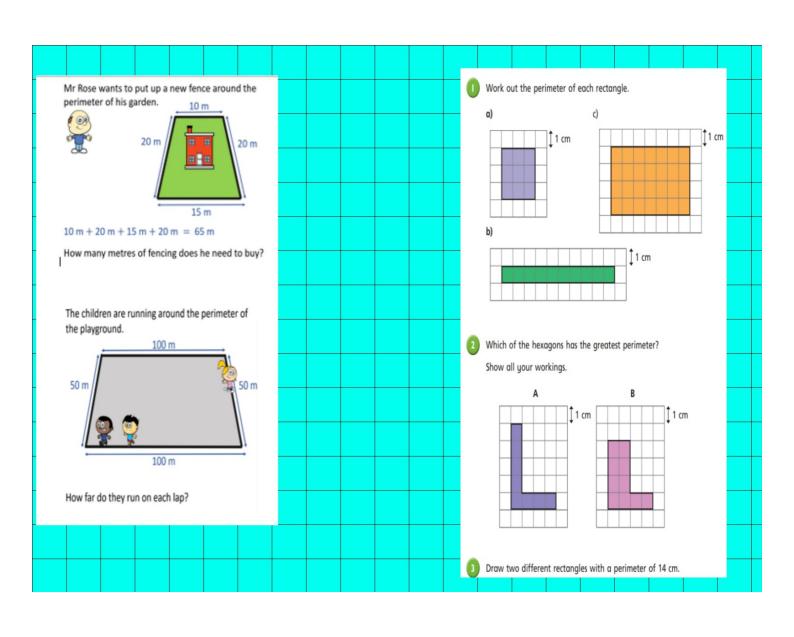


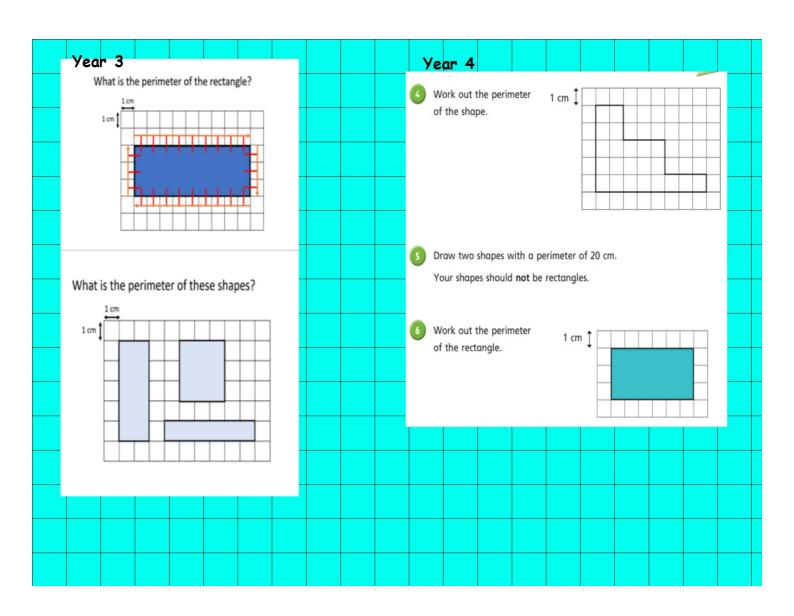


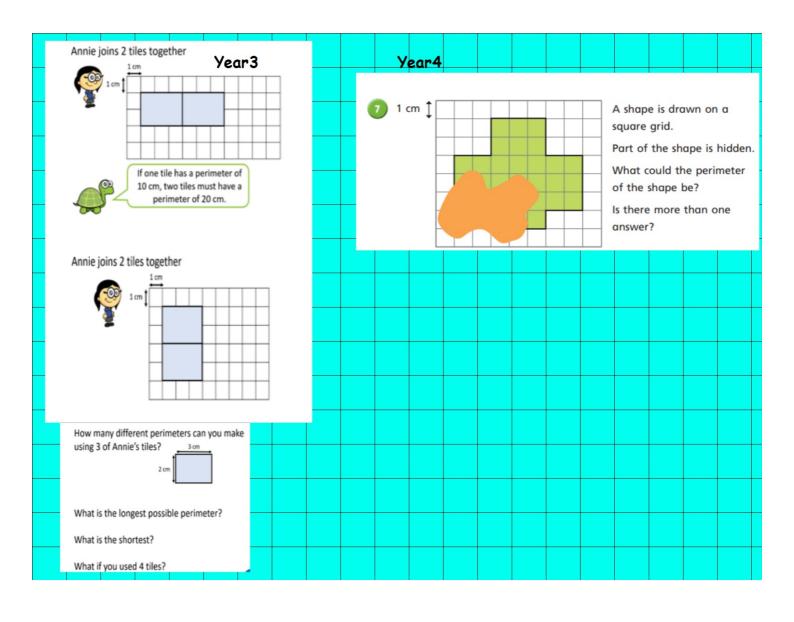


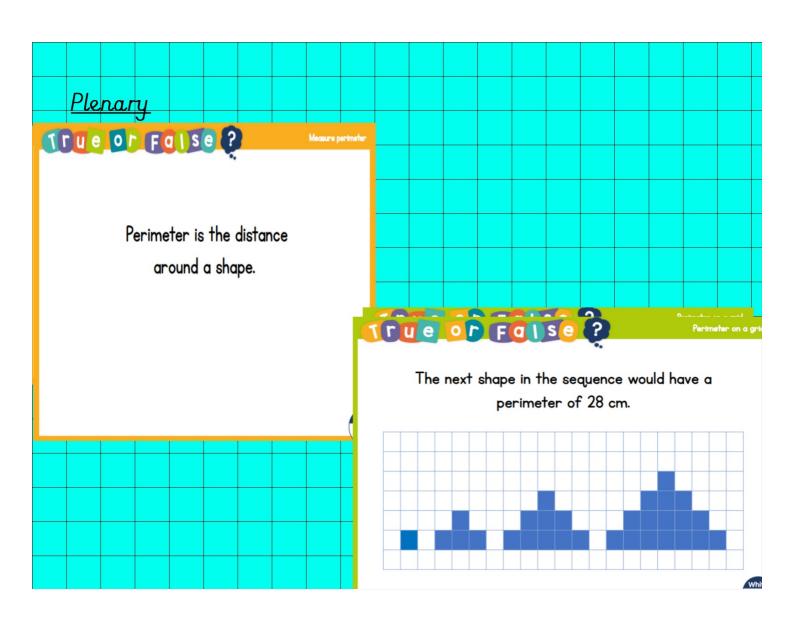
I solve simple measure and I solve problems finding frac-I can read Roman numer-I know factor pairs, using Year 4 money problems involving tions of amounts including nor als to 100 (I to C) and my times table knowledge. unit fractions like 3/4 fractions and decimals to two I round decimals with one **NUMERACY** know that over time the places. decimal place to the nearest numeral system changed whole number and compare TARGET GRIDS I can solve multiplication to include the concept of and division problems, I can plot specified points and zero and place value I can find the effect of + a draw sides to complete a giver including simple scaling. I can solve problems number by 10 and 100 and polygon. involving converting from: identify the value of the digits I can draw line graphs. hours to minutes; minutes I can solve number and I can multiply a three -I can solve subtraction two to seconds; years to practical problems I describe movements digit number by a step problems deciding months; weeks to days. I can recognise and write decibetween positions as one-digit number using a I can solve 'difference' which operations and translations of a given unit to mal equivalents to formal written method. problems using info he left/right and up/down methods to use and why 1/2, 1/4, and 3/4. mation presented in bar I can round any number to I can read, write and concharts, pictograms, tables the nearest 10, 100 or 1000 vert time between I can multiply a two-digit I can recognise and write I can describe positions on a and other graphs. I can solve addition two analogue and digital 12number by a one-digit decimal equivalents of any 2-D grid as co-ordinates in the I can identify, represent step problems deciding and 24-hour clocks. number using a formal number of tenths or hunfirst quadrant. and estimate numbers which operations and I can solve 'sum' written method dredths problems using infor methods to use and why I can estimate, compare mation presented in bar I can compare and order I can complete a simple and calculate different I can add and subtract charts, pictograms, tables I can use place value and numbers beyond 1000. measure, including money fractions with the same and other graphs. known derived facts to I can use inverse opera to a specific line of symmetry. in pounds and pence. tions to check answers to a multiply 3 numbers I can recognise the place calculation I can solve 'comparison' value of each digit in a fou I can find the area of problems using infor-I can count up and down -digit number. I can use place value and I can identify lines of I can estimate to check rectilinear shapes by mation presented in bar in hundredths; recognise known derived facts to symmetry in 2-D shapes charts, pictograms, tables answers to a calculation counting squares presented in different multiply and divide menthat hundredths arise I can count backwards and other graphs. when dividing an object through zero to include by one hundred and I measure and calculate negative numbers. I can explain I can subtract numbers dividing tenths by ten. I can interpret and I can identify acute and obtuse the perimeter of a rectilincommutativity in multipliwith up to 4 digits using present data using angles and compare and order ear shape in cm and m cation. I can find 1000 more or less up to two right angles by size. efficient methods. time graphs. than a given number I can recognise and show, using diagrams, families of I can add numbers with up I can recall multiplication I can convert between I can compare and classify I can interpret and common equivalent I can count in multiples of to 4 digits using efficient geometric shapes, including and division facts for times different units of measure present data using bar 6, 7, 9, 25 and 1000 fractions. quadrilaterals and triangles methods. tables up to 12 x 12. charts. Number and Place Addition and Multiplication and Fractions and Measurements Geometry **Statistics** Value Subtraction Division **Decimals** 

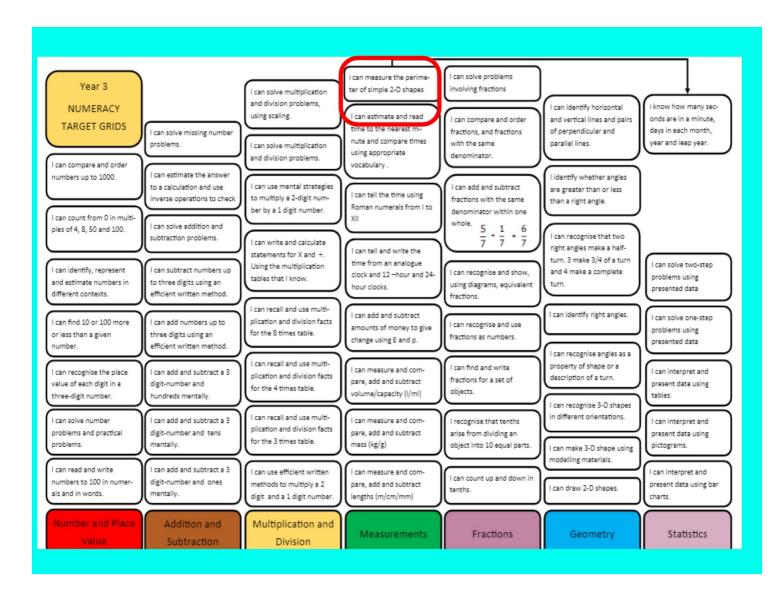




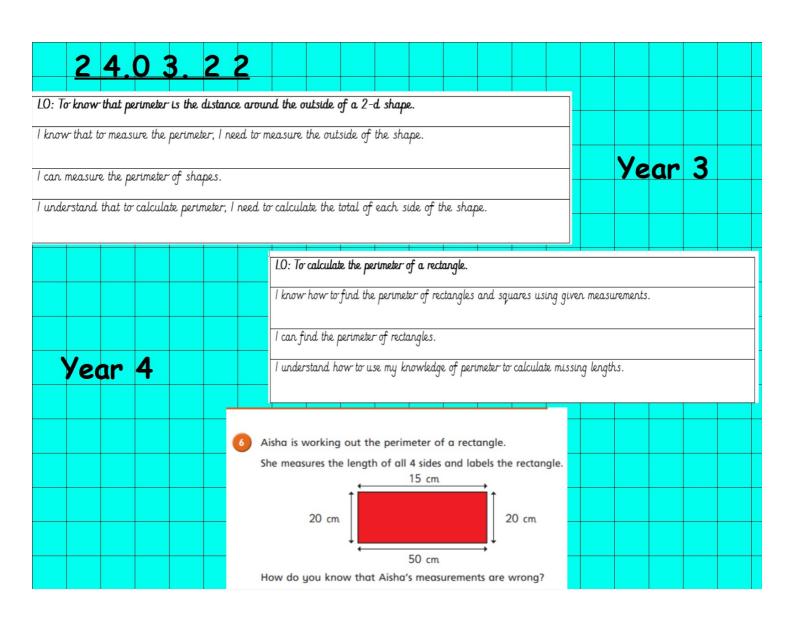


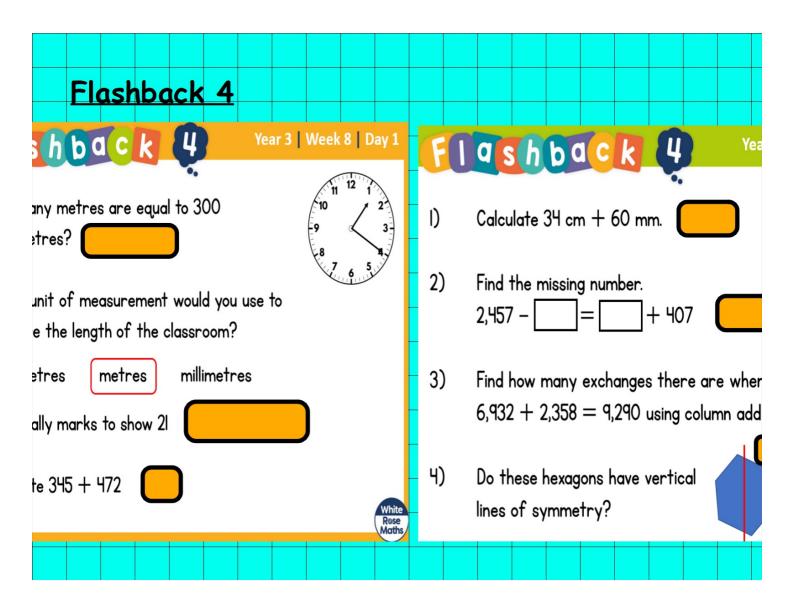


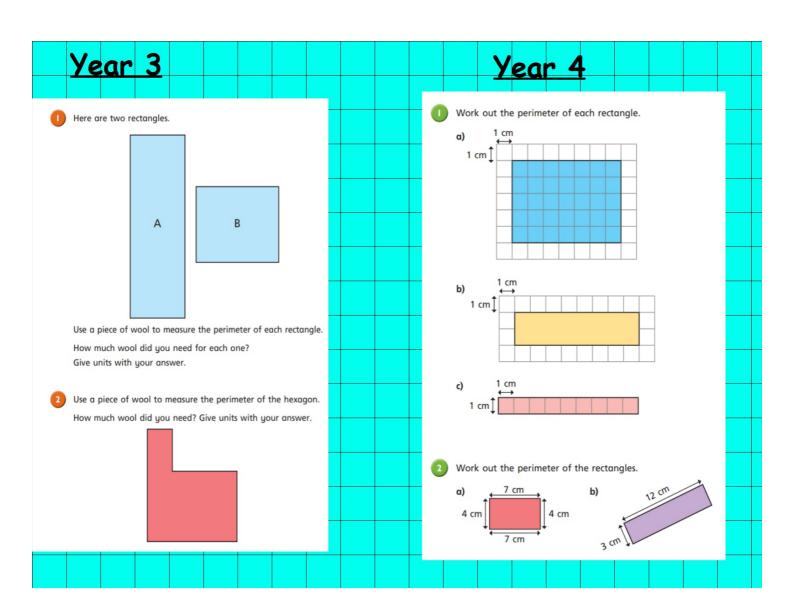


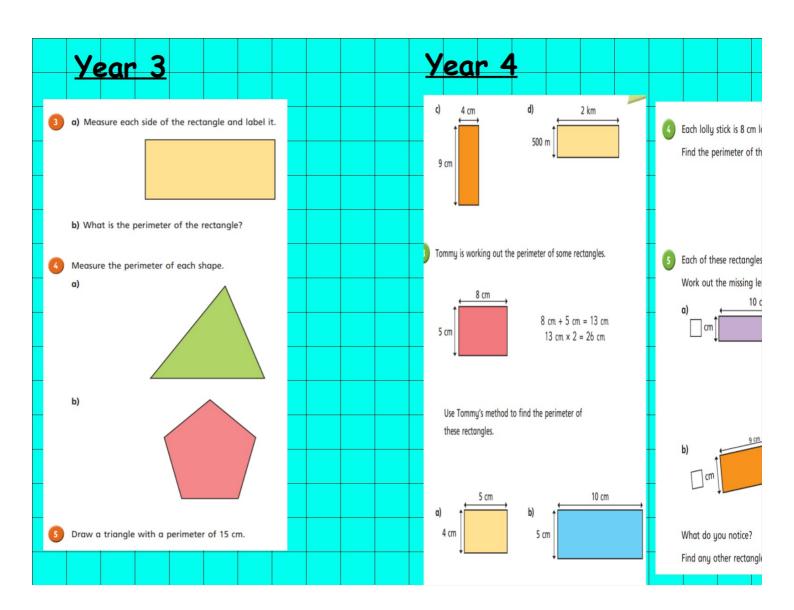


solve problems finding frac-I solve simple measure and I can read Roman numer-I know factor pairs, using oney problems involving tions of amounts including nor Year 4 als to 100 (I to C) and my times table knowledge. unit fractions like 3/4 fractions and decimals to two I round decimals with one **NUMERACY** places. know that over time the decimal place to the nearest meral system changed whole number and compare I can solve multiplication **TARGET GRIDS** to include the concept of and division problems, I can plot specified points and zero and place value I can find the effect of + a including simple scaling. draw sides to complete a giver I can solve problems mber by 10 and 100 and polygon. involving converting from: identify the value of the digits I can draw line graphs. I can solve number and hours to minutes; minutes I can multiply a three -I can solve subtraction two practical problems to seconds; years to I describe mov digit number by a step problems deciding months; weeks to days. I can recognise and write decibetween positions as one—digit number using a I can solve 'difference' which operations and formal written method problems using informethods to use and why. 1/2, 1/4, and 3/4. the left/right and up/down. I can round any number to mation presented in bar I can read, write and concharts, pictograms, tables the nearest 10, 100 or 1000 vert time between I can multiply a two-digit I can recognise and write I can describe positions on a and other graphs. analogue and digital 12-I can solve addition two number by a one-digit decimal equivalents of any 2-D grid as co-ordinates in the I can identify, represent and 24-hour clocks. step problems deciding number of tenths or hunnumber using a formal first quadrant. and estimate numbers. which operations and I can solve 'sum' written method. dredths. problems using info methods to use and why. I can estimate, compare mation presented in bar I can compare and order I can complete a simple and calculate different I can add and subtract charts, pictograms, tables I can use place value and numbers beyond 1000. metric figure with respect and other graphs. known derived facts to measure, including money fractions with the same I can use inverse operato a specific line of symmetry. tions to check answers to a multiply 3 numbers in pounds and pence denominator I can recognise the place calculation I can solve 'comparis value of each digit in a four I can find the area of problems using infor-I can count up and down I can identify lines of -digit number I can use place value and mation presented in bar I can estimate to check rectilinear shapes by in hundredths; recognise symmetry in 2-D shapes known derived facts to charts, pictograms, tables answers to a calculation. counting squares. that hundredths arise presented in different nultiply and divide men-I can count backwards and other graphs. when dividing an object orientations. through zero to include by one hundred and I measure and calculate negative numbers. I can explain I can subtract numbers dividing tenths by ten I can interpret and I can identify acute and obtuse the perimeter of a rectilin commutativity in multipliwith up to 4 digits using present data using angles and compare and order ear shape in cm and m I can find 1000 more or less cation efficient methods. up to two right angles by size. time graphs. than a given number I can recognise and show, using diagrams, families of I can add numbers with up I can compare and classify I can recall multiplication I can convert between I can interpret and common equivalent I can count in multiples of to 4 digits using efficient geometric shapes, including and division facts for times different units of measure present data using bar fractions. 6, 7, 9, 25 and 1000 quadrilaterals and triangles methods. tables up to 12 x 12. charts **Number and Place** Addition and Multiplication and Fractions and Measurements Geometry **Statistics** Value Subtraction Division **Decimals** 





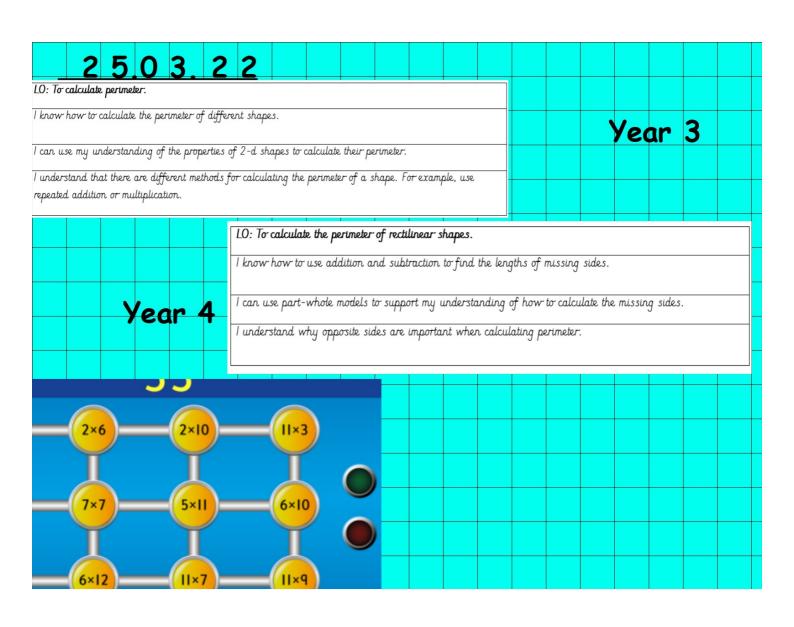


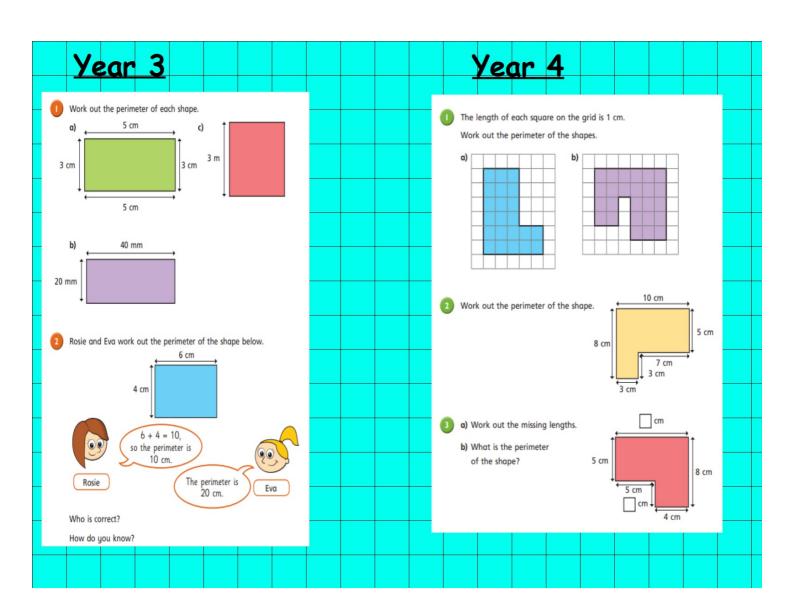


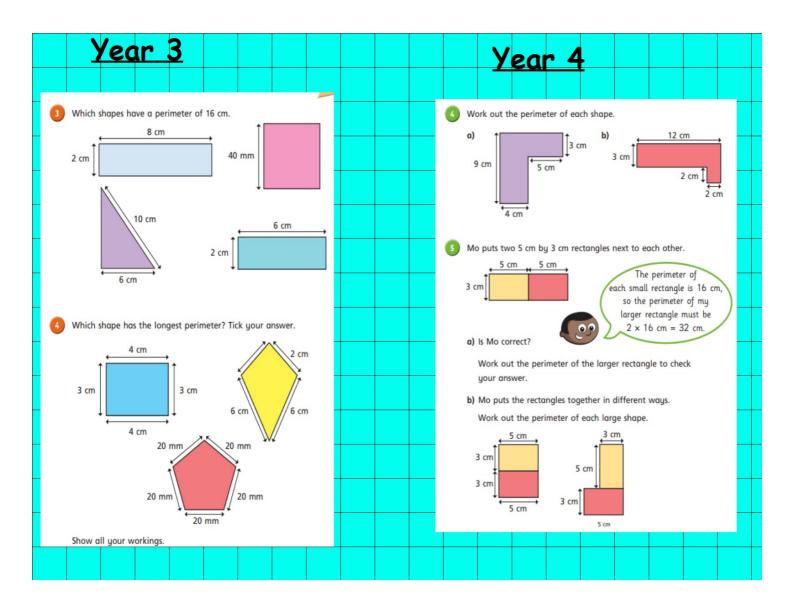


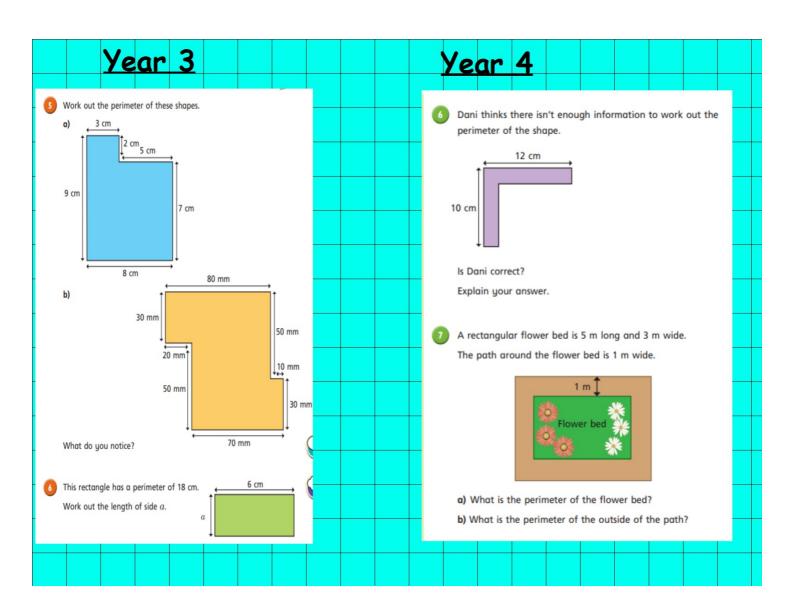
I can measure the perin I can solve problems Year 3 nvolving fractions ter of simple 2-D shapes can solve multiplication and division problems. NUMERACY I can identify horizontal know how many secusing scaling. I can estimate and read onds are in a minute, I can compare and order and vertical lines and pairs TARGET GRIDS days in each month, time to the nearest miof perpendicular and I can solve missing number fractions, and fractions nute and compare times year and leap year. parallel lines. problems. I can solve multiplication with the same using appropriate denominator and division problems. I can compare and order vocabulary I can estimate the answer numbers up to 1000. I identify whether angles I can use mental strategies to a calculation and use I can add and subtract are greater than or less I can tell the time using to multiply a 2-digit numinverse operations to check fractions with the same than a right angle. Roman numerals from I to ber by a 1 digit number. denominator within one I can count from 0 in multiwhole.  $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$ I can solve addition and ples of 4, 8, 50 and 100. I can recognise that two subtraction problems. right angles make a half-I can tell and write the statements for X and  $\div$ . turn. 3 make 3/4 of a turn time from an analogue I can solve two-step Using the multiplication I can identify, represent I can subtract numbers up I can recognise and show, and 4 make a complete clock and 12 -hour and 24problems using tables that I know and estimate numbers in to three digits using an using diagrams, equivalent hour clocks. presented data different contexts. efficient written method. fractions. I can recall and use multi-I can add and subtract I can identify right angles. can solve one-step plication and division facts I can find 10 or 100 more I can add numbers up to I can recognise and use amounts of money to give problems using for the 8 times table. or less than a given three digits using an fractions as numbers. change using £ and p. presented data number efficient written method. I can recognise angles as a I can recall and use multiproperty of shape or a I can find and write I can recognise the place I can add and subtract a 3 I can interpret and plication and division facts description of a turn. fractions for a set of pare, add and subtract present data using value of each digit in a digit-number and for the 4 times table. objects. volume/capacity (I/ml) three-digit number. hundreds mentally. tables. I can recognise 3-D shapes I can recall and use multiin different orientations. I can solve number I can add and subtract a 3 I can measure and comrecognise that tenths I can interpret and plication and division facts arise from dividing an problems and practical digit-number and tens pare, add and subtract present data using for the 3 times table. problems mentally. mass (kg/g) object into 10 equal parts. pictograms. I can make 3-D shape using modelling materials I can read and write I can add and subtract a 3 I can use efficient written I can measure and com-I can interpret and I can count up and down in numbers to 100 in numer digit-number and ones methods to multiply a 2 pare, add and subtract present data using bar I can draw 2-D shapes als and in words. mentally. digit and a 1 digit number. lengths (m/cm/mm) charts Number and Place Addition and Multiplication and Measurements Fractions Geometry Statistics Subtraction Division

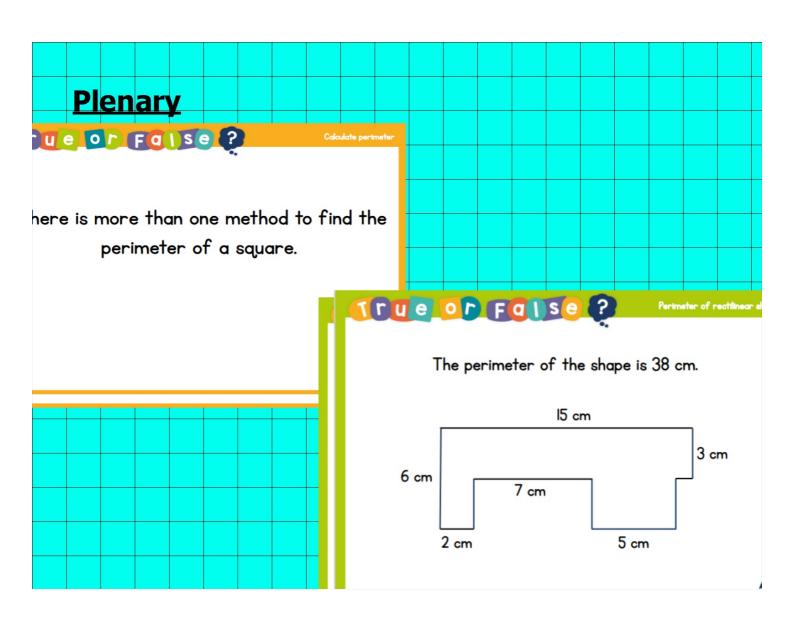
solve problems finding frac-I can read Roman numer-I know factor pairs, using Year 4 money problems involving tions of amounts including non als to 100 (I to C) and my times table knowledge. -unit fractions like 3/4 fractions and decimals to two I round decimals with one know that over time the NUMERACY places. decimal place to the nearest numeral system changed whole number and compare **TARGET GRIDS** I can solve multiplication to include the concept of and division problems, I can plot specified points and zero and place value I can find the effect of + a including simple scaling. draw sides to complete a giver I can solve problems polygon. number by 10 and 100 and involving converting from: identify the value of the digits I can draw line graphs hours to minutes; minutes I can solve number and I can multiply a three -I can solve subtraction two to seconds; years to practical problems I describe movements digit number by a step problems deciding months; weeks to days I can recognise and write decibetween positions as one—digit number using a I can solve 'difference' which operations and ions of a given unit to mal equivalents to formal written method. problems using informethods to use and why 1/2, 1/4, and 3/4. the left/right and up/dov mation presented in ba I can round any number to I can read, write and concharts, pictograms, tab the nearest 10, 100 or 1000 vert time between I can multiply a two-digit I can recognise and write I can describe positions on a and other graphs. analogue and digital 12-I can solve addition two number by a one—digit decimal equivalents of any 2-D grid as co-ordinates in the I can identify, represent step problems deciding and 24-hour clocks. number using a formal number of tenths or hunfirst quadrant. and estimate numbers. which operations and I can solve 'sum' written method. dredths. problems using informethods to use and why. I can estimate, compare mation presented in ba I can compare and order I can complete a simple and calculate different I can add and subtract charts, pictograms, tab I can use place value and numbers beyond 1000. metric figure with respect and other graphs. measure, including mone fractions with the same known derived facts to I can use inverse operato a specific line of symmetry in pounds and pence. denominator. multiply 3 numbers tions to check answers to a I can recognise the place calculation I can solve 'comparison value of each digit in a four I can find the area of problems using infor-I can count up and down -digit number I can use place value and I can identify lines of rectilinear shapes by I can estimate to check mation presented in ba in hundredths; recognise known derived facts to symmetry in 2-D shapes answers to a calculation. counting squares. charts, pictograms, tab presented in different that hundredths arise multiply and divide men-I can count backwards and other graphs. when dividing an object through zero to include by one hundred and measure and calculate negative numbers. I can explain I can subtract numbers dividing tenths by ten. I can interpret and I can identify acute and obtuse the perimeter of a rectilir commutativity in multipliwith up to 4 digits using present data using ear shape in cm and m cation. I can find 1000 more or less up to two right angles by size. efficient methods. time graphs. than a given number I can recognise and show, using diagrams, families of I can add numbers with up I can recall multiplication I can compare and classify I can interpret and I can convert between common equivalent I can count in multiples of to 4 digits using efficient etric shapes, including and division facts for times different units of measure present data using ba fractions. uadrilaterals and triangles 6, 7, 9, 25 and 1000 methods. tables up to 12 x 12. charts Number and Place Addition and Multiplication and Fractions and Measurements Geometry Statistics Value Subtraction Division **Decimals** 

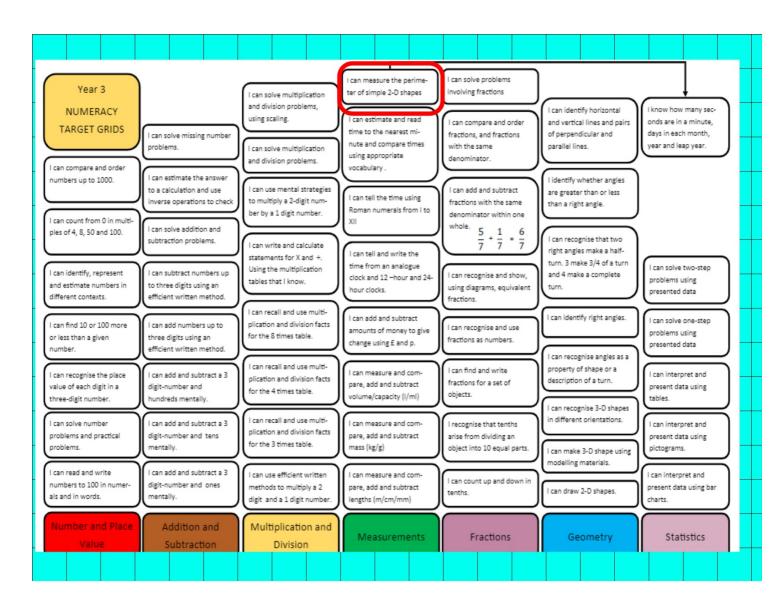




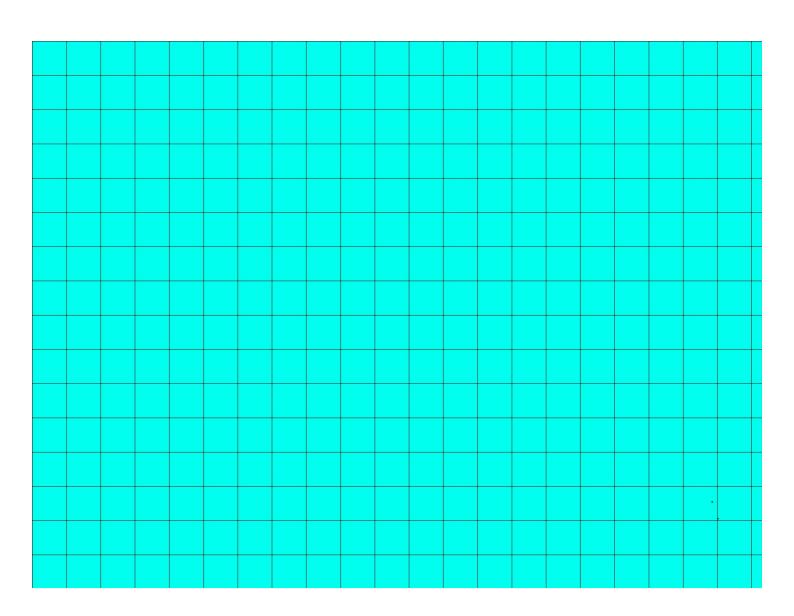








I solve problems finding frac-I solve simple measure and tions of amounts including no I can read Roman numer-Year 4 I know factor pairs, using noney problems involving als to 100 (I to C) and my times table knowledge fractions and decimals to two unit fractions like 3/4 NUMERACY know that over time the places. decimal place to the nearest numeral system changed whole number and compare **TARGET GRIDS** I can solve multiplication to include the concept of and division problems, I can plot specified points and zero and place value I can find the effect of ÷ a including simple scaling. I can solve problems draw sides to complete a giver mber by 10 and 100 and polygon. involving converting from identify the value of the digits I can draw line graphs. hours to minutes: minutes I can solve number and I can multiply a three I can solve subtraction two to seconds; years to practical problems digit number by a step problems deciding months; weeks to days. I can recognise and write decibetween positions as one—digit number using a which operations and I can solve 'difference' translations of a given unit to nal equivalents to formal written method. problems using info methods to use and why the left/right and up/dow I can round any number to mation presented in bar I can read, write and concharts, pictograms, tables the nearest 10, 100 or 1000 vert time between I can multiply a two-digit I can recognise and write I can describe positions on a and other graphs. I can solve addition two analogue and digital 12decimal equivalents of any number by a one-digit 2-D grid as co-ordinates in the step problems deciding I can identify, represent and 24-hour clocks. number using a formal number of tenths or hunfirst quadrant. and estimate numbers. which operations and I can solve 'sum' written method. dredths. methods to use and why. problems using infor I can estimate, compare mation presented in bar I can compare and order and calculate different I can add and subtract I can complete a simple charts, pictograms, tables I can use place value and numbers beyond 1000. symmetric figure with respect measure, including money fractions with the same and other graphs. known derived facts to I can use inverse operato a specific line of symmetry. in pounds and pence. denominator. tions to check answers to a multiply 3 numbers . I can recognise the place calculation value of each digit in a four I can find the area of problems using infor--digit number I can use place value and I can count up and down I can identify lines of I can estimate to check rectilinear shapes by mation presented in bar in hundredths; recognise symmetry in 2-D shapes known derived facts to charts, pictograms, tables answers to a calculation counting squares. presented in differen multiply and divide menthat hundredths arise Lean count backwards and other graphs. orientations. when dividing an object through zero to include by one hundred and I measure and calculate negative numbers. I can explain I can subtract numbers I can interpret and dividing tenths by ten. I can identify acute and obtuse the perimeter of a rectil commutativity in multipliwith up to 4 digits using present data using ear shape in cm and m I can find 1000 more or less cation efficient methods. up to two right angles by size. time graphs. than a given number I can recognise and show, using diagrams, families of I can add numbers with up I can compare and classify I can recall multiplication I can convert between I can interpret and I can count in multiples of common equivalent to 4 digits using efficient geometric shapes, including and division facts for times different units of measure present data using bar 6, 7, 9, 25 and 1000 methods. quadrilaterals and triangles tables up to 12 x 12. charts. Number and Place Addition and Multiplication and Fractions and Measurements Geometry **Statistics** Division Subtraction **Decimals** 





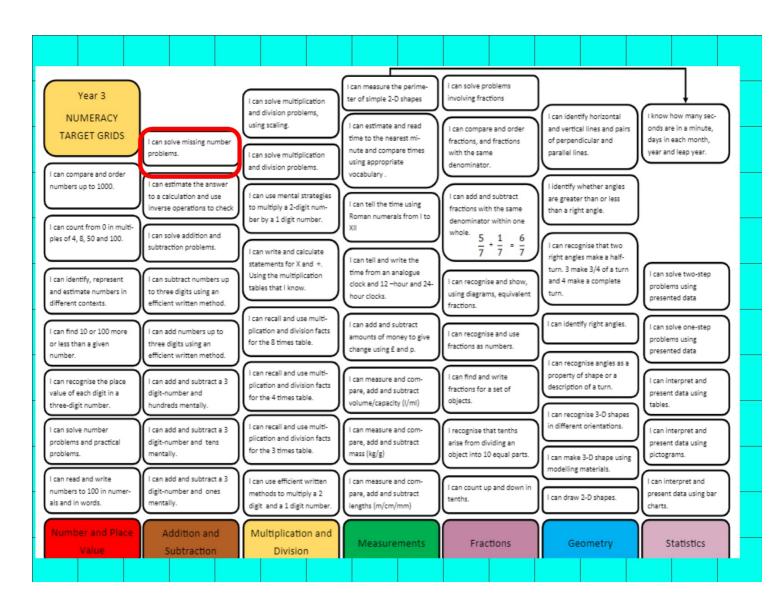












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## True or False?

Fractions of a set

 $\frac{4}{8}$  of the cars are green.

