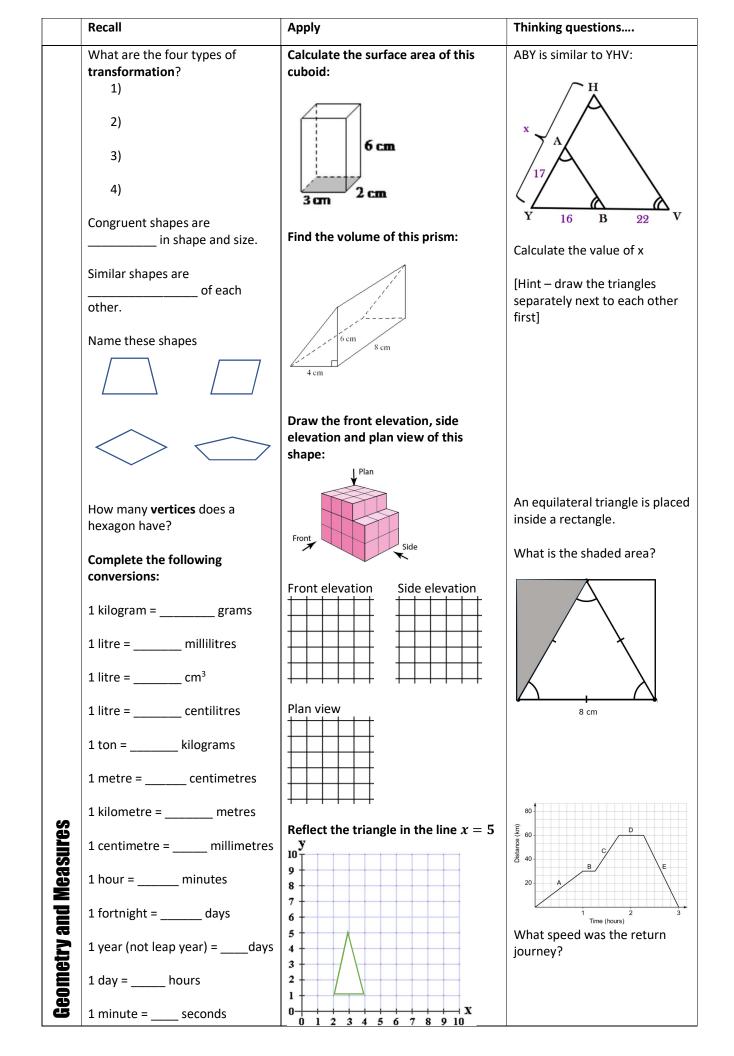
Foundation Revision Sheets – Final Week

	Recall		Apply	Thinking questions	
		mmand word to	Solve these equations:	What is the area of this shape?	
			Solve these equations.		
	what it is asking you to do:		 h + 2 = 10	b + 7	
	Solve	Get rid of the	b + 3 = 19		
		brackets		5 cm	
				5 611	
	Factorise	Find the value of	5c = 70		
		the unknown		2b+3	
				20 . 3	
	Substitute	Put the brackets	2h – 16 = 20		
	000000000	in			
		111			
	Funand	Make the expression less complicated	10	What is the value of y?	
	Expand		$\frac{10}{d} = 5$	what is the value of y:	
			a	1	
			Franciscus and the second second second		
			Expand these expressions:		
	Simplify	Swap the letters		2v 4y	
		for numbers	5(2b + 8)	<u>2y</u> 4y	
	Match these	words correctly to	3d(d – 5)		
		n on the right:			
			(x+3)(x+7)		
				A taxi firm, TAXI MAXI, charges	
	Equation	5b + 7c	Fully factorise these expressions:	a three pounds fixed charge	
				and then fifty pence per mile.	
	Expression	5c	5y – 10	and then muy pence per mile.	
	•				
	Identity	5(b + 2) = 5b + 10	$12x^2y + 18xy^3$	Let the cost of the journey be	
	lucificity	5(5 - 2) - 55 - 20	12x y + 10xy	given by 'C' and the number of	
	Term	A = I x w	$x^{2} + x - 6$	miles be given by 'm'.	
	Term	A = I X W	$x^{2} + x - 6$		
		51 0 40		Write a formula for C in terms	
	Formula	5b + 2 = 12	Substitute y = 5, z = 2 and t = -3 into:	of m.	
			$y^2 + z$		
	Complete the	se formulae:		What is the cost of a 12 mile	
	complete the	se formalae.	5z + 2t	journey?	
	Doncity -			,,·	
	Density =		Simplify		
			c+c+c	A student has fifteen pounds –	
				-	
	Speed =		схсхс	how far can she travel with	
				ΤΑΧΙ ΜΑΧΙ?	
			$3p^2 + 8p + 4p^2 - 3p - 8$		
			24 + 04 + 44 - 24 - 0		
	Pressure =		6		
			Sequences	A second taxi firm, CABBY	
	Area of a parallelogram =			WABBY, has no fixed charge	
			Write the next three terms of the sequence:	and instead charges one pound	
				fifty per mile.	
			5, 8, 11,,,	For what distance of journey	
				do the two taxi firms charge	
	Area of a triangle =		What is the n th term?	the same amount?	
Ģ			What is the 200 th term?		
	Aroa of a circle -				
Algebra	Area of a circl	e =	Is 105 a term?		
Ā					

	Recall	Apply	Thinking questions
	What is the ratio of grey to white rectangles shown below?	Emily and Jay share some money in the ratio 4 : 7.	A ruler is cut into two sections, A and B.
		Jay gets £24 more than Emily.	Section B is 4 times as long as section A.
	Write an equivalent ratio to the one you just wrote:	How much did they each get?	The total length of the ruler is 90 cm.
			How long is each section?
	What proportion of the rectangles are grey?		
		The following recipe makes 12 cakes:	
	What proportion of the rectangles are white?	150 g flour 200 g butter 75 g sugar 2 eggs	
		How much of each ingredient would you need for 18 cakes?	
	If the proportion of female students in a class is $\frac{3}{4}$, what is	flour	In a triangle the ratio of the angles is
	the proportion of male students?	butter	1:2:3
		sugar	What is the size of the largest angle?
		eggs	
	Start applying 8MA4 has 25 students, 15 are male and 10 are female.	If I had 500g of butter and as much as I wanted of the other ingredients, how many cakes could I make?	
	8MA7 has 20 students, 12 are male and 8 are female.		
	Compare the proportion of male students in each class.	In the ingredients, what is the ratio of flour to butter to sugar in its simplest form?	What is this type of triangle called?
Ratio and Proportion		What happens to the proportion of the cake that is flour if you <u>only</u> increase the amount of sugar in the ingredients?	
Ratio and			



Recall	Apply	Thinking questions	
What is the highest probability you can get?	2-way tables:	James asked 44 students what subjects they enjoyed.	
What might a data collection sheet also be known as?	90 people were asked what sport they preferred watching on TV. 23 of the 46 females preferred boxing.	13 said they enjoyed both English and Maths. In total 35 said they enjoyed	
Name 3 types of frequency diagram:	50 of the 90 people surveyed preferred football.	Maths. 4 said they didn't enjoy Englis or Maths. Show this information in a	
1)	Football Boxing Total Male		
2)	Female Total	Venn diagram:	
3) What do you have to remember when drawing bar charts ?	What is the probability that a person picked at random is a male who preferred boxing?		
1) 2)	If 270 people were surveyed, what would be an estimate for the number of people likely to prefer football?	How many in total said they enjoyed English?	
3) What must the angles in a Pie Chart add up to?	Averages	What is the probability that a student chosen from the grou only enjoyed Maths?	
What relationship is shown on this Scatter graph?	Here is a set of data: 6, 9, 2, 5, 7, 8, 2, 6, 2, 10 What is the mean?	Six men are weighed at a	
-5 -4 -3	What is the mode?	competition. Their mean weight is 82 kg.	
	What is the median?	The weights of five of the men are: 68 kg, 79 kg, 105 kg, 81 kg and 72 kg.	
What do you call the line shown	What is the range?	What is the weight of the sixtl man?	
on this scatter graph? Follow-up eGFR p=-0.8 p<0.00 p<0.05 1.0 p=-0.8 p<0.00 p<0.00 1.5 1.0 p=-0.8 p<0.00 1.5 1.0 p=-0.8 p<0.00 1.5 1.0 1.5 p=-0.8 p<0.00 1.5 1.0 1.5 20 40 60 60 eGFR (mL/min/1.73m ²)	Movie Ratings 4 7 5 2 6 6 1 4 6 7 0 3 5 8 1 3 5 6 9 0 0 1 3 4 6 9 Key 9 0 1 3 4 6 9 6 1 represents 61	There are only red, blue, gree and orange counters in a bag. The probability of choosing them is as follows: Red Blue Green Orange 4x $3x$ 0.5 0.25	
What word in a scatter graph questions means you should use this line?	What is the median movie rating?	What is the probability of choosing a blue counter?	

	Recall			Apply	Thinking questions
	What are the first 6 prime numbers?		orime	Find 10% of 240	A TV normally costs £340. There is a 20% off deal on the TV.,
	What are the first 6 square numbers? What are the first 6 cube numbers?			Find $\frac{1}{7}$ of 42	A speaker system normally costs £120.
				Find $\frac{3}{7}$ of 42	There is a $\frac{1}{4}$ off deal on the speaker system.
	List the fire	ne first 5 multiples of 7		Increase £360 by $\frac{1}{3}$	Billy wants to buy 3 TVs and 4 speaker systems for an event he is holding.
					He has £1200.
	List all the factors of 12			Decrease £24 by 15%	Does he have enough money? By how much?
	Complete the table to show the equivalent fractions, decimals and percentages:			A coat is reduced by 20% in a sale. During the sale it costs £56. What did it cost before the sale?	
	Fraction	Decimal 0.4	Percentage		
	$\frac{1}{2}$		25 %	What is the highest common factor of 48 and 64?	T-shirts normally cost £12 each.
	4		3 %		Baggy Jeans inc. has an offer on:
	5	0.75		What is the lowest common multiple	Buy 5 T-shirts get 2 free.
	0.75 What is the value of 8 in 582?		0 := 5022	of 12 and 15?	What is the least amount you would pay for 30 T-shirts?
	what is th	le value of	8 10 582 ?		
	What is the value of 7 in 435.78? What is the value of 8 in 435.78? What is the product of 6 and 3?			Express 345 as a product of its prime factors	
					How does this compare with buying 30 T-shirts at the
					normal price with a 15% discount applied?
	What is the difference between 10 and 4?				
Number	What is the sum of 14 and 5?				