

ST. JOHN BOSCO RC PRIMARY SCHOOL

Long remit that a first of the rest of the	Tear Group.	
Autumn Term Spring Term Sum	mer Term	
1st Half 2nd Half 1st Half 2nd Half 1st Half	2nd Half	
Number and Place ValueNumber and Place Value (NPV-1 Understand the rebrowship between powers of 10 from 1 hundreth to 10 million, , and use this to make a given number 10, 100, 1, 100, 1 tenth, 1 hundredth of 1 thousandhi times the size (mulhy) and divide by to 10 million, including, decimal rations, and compose and decompose sumbers up to 10 million, including, decimal tabout 170km. The distance from London to Bristol is about 170km. The distance from London to Tosiylary, Australia is a bout 150kg. How may uines the mass of a newborn kitten weigh a bout 150kg. How many uines the mass of a newborn kitten weigh a bout 150kg. How many uines the mass of a newborn kitten weigh a bout 150kg. How many uines the mass of a newborn kitten weigh a bout 150kg. How many uines the mass of a newborn kitten weigh a bout 150kg. How many uines the mass of a newborn kitten weigh a bout 150kg. How many uines the mass of a newborn kitten weigh a bout 150kg. How many uines the mass of a newborn kitten weigh a newborn kitten weigh a bout 150kg. How many uines the mass of a newborn kitten weigh a bout 150kg. How many uines the mass of a newborn kitten weigh a newborn kitten weigh a newborn kitten weigh a the mass is a newborn kitten weigh a newborn kitten weight a newborn kitten weight a newborn kitten weight a newborn kitten weight a newborn kitten weight 		

hundredth times the	1	million which is closest to		
size of the other	th	e number		
number. Find 2	• Fi	ll in the missing numbers.		
different numbers that	• W	hat might the missing		
Walid could make so	nı	imber be in this web page?		
that 1 number is 1,000		wimming pool holds		
times the size of the	• 1	swimming poor noids		
other number.	ap	Synaton The capacity of the		
• Fill in the missing	01	water. The capacity of the		
numbers.	50	winded to the percent		
6NPV-4 Reading scales	10	ultiple of 1 000. Eill in the		
with 2, 4, 5 or 10 intervals	111	issing numbers to		
Divide powers of 10, from	111	malate the conteness. The		
1 hundredth to 10 million.		inimum amount of water		
into 2, 4, 5 and 10 equal	th	at the pool could hold is		
parts, and read		he maximum amount of		
scales/number lines with	1	ater that the pool could		
labelled intervals divided	h	ald is		
into 2, 4, 5 and 10 equal	110	Jid 15		
parts.				
• If 1/10 of a 1kg bag of				
flour is used, how				
much is left?				
• In 2005 the				
population of				
Birmingham was about				
1 million. At that time				
about $1/5$ of the				
population was over				
60 years old				
Approximately how				
many over-60s lived in				
Birmingham in 2005?				
A builder ordered				
1 000kg of sand She				
has about 300kg left.				
What fraction of the				
total amount is left?				
• Fill in the missing				
- I m m the missing				
• Fill in the missing				
- I'm in the missing				
• The Dar chart shows				
the approximate				
populations of 3				
different towns. What	1		1	

					-	-
	are the populations?					
	• What mass does each					
	scale show?					
	• Some children are					
	trying to raise					
	£200,000 for charity.					
	The diagram shows					
	how much they have					
	raised so far. How					
	much money have they					
	raised? How much					
	more money do they					
	need to raise to meet					
	their target?					
	Addition and Subtraction	Fractions	Algebra	Ratio		
Addition and	Multiplication and	6F–1 Simplify fractions	6AS/MD-4 Solve	6AS/MD–3 Solve		
Subtraction		Recognise when fractions can be	problems with 2	problems involving ratio		
	6AS/MD-1 Quantify	simplified, and use common	unknowns.	relationships		
Multiplication	additive and multiplicative	factors to simplify fractions.	• A baker is packing	solve problems involving		
and Division	Understand that 2 numbers	• Sort these fractions	60 cakes into			
	can be related additively or	according to whether they	boxes. A small box	• For every 1 litre of		
Fractions	multiplicatively and	are expressed in their	can hold 8 cakes	petrol, Miss Smith's		
	quantify additive and	Simplest form of not.	hold 12 cales	7km How many		
Percentages	multiplicative relationships	• Solve these calculations,	How many	kilometres can Miss		
- or of of of the second se	(multiplicative relationships	giving each answer in the	different ways can	Smith's car travel on 6		
Algebra	restricted to multiplication	simplest form	he pack the cakes?	litres of petrol? Miss		
Ingebia	by a whole number).	• Anmed says, "To simplify a	How can be pack	Smith lives about		
	• Fill in the missing	fraction, you just halve the	the cakes with the	28km from school		
	numbers.	denominator "Is Abread's	fewest number of	How many litres of		
	• Write an expression in	statement always true	boxes?	petrol does she use to		
	each box to show the	sometimes true or never	• 1 eraser and 5	get to school?		
	relationship between	true? Explain your answer	pencils cost a total	• For every 3m of fence		
	numbers 25 and 75. Is	 Put these numbers in order 	of f 3.35. 5 erasers	I need 4 fence panels.		
	there more than one	from smallest to largest by	and 5 pencils cost a	The fence will be 15m		
	way to answer this	simplifying them to unit	total of $f_{4.75}$.	long. How many fence		
	question? Explain	fractions.	How much does 1	panels will I need?		
	• The examples below	 How much water is in this 	eraser cost? How	• I am decorating a cake		
	show the first 2	beaker? Write your answer	much does 1 pencil	with fruit. I use 2		
	numbers in a	as a fraction of a litre in its	cost?	raspberries for every 3		
	sequence. Find 2	simplest form.	• An adult ticket for	strawberries.		
	different ways to	6F–2 Express fractions in a	the zoo costs f_2	Altogether I put 30		
	continue each	common denomination	more than a child	berries on the cake.		
	sequence, using	Express fractions in a common	ticket. I spend a	How many raspberries		
	addition for the first	denomination and use this to	total of £33 buying	did I use? How many		
	and multiplication for	compare fractions that are	3 adult and 2 child	strawberries did I use?		

the second.	similar in value.		tickets. How much	٠	For every 500g of	
6AS/MD-2 Derive related	• Fill in the missing symbols		does an adult ticket		excess baggage I take	
calculations	(<, > or =). You will need		cost? How much		on an aeroplane, I	
Use a given additive or	to simplify some of the		does a child ticket		must pay f 7.50. I have	
multiplicative calculation to	fractions and express each		cost?		3.5kg of excess	
derive or complete a related	pair with a common	•	The balances show		baggage. How much	
calculation, using arithmetic	denominator.		the combined		must I pay?	
properties, inverse	• Express each set of fractions		masses of some	•	Lilv and Ralph are	
relationships, and place-	with a common		large bags of dog	-	eating granes The	
value understanding.	denominator. Then put		food and some		diagram represents the	
• Fill in the missing	them in order from smallest		small bags of dog		relationship between	
numbers	to largest		food. How much		the number of grapes	
• Use this calculation to	Ahmed has a bester		does each bag-size		that the children eat	
complete the following	 Annieu nas a beaker containing 710 of a litra - f 		cost?	•	Cive is planting	
equations	containing / 10 of a litre of		A rectangle with	•	Giya is planting	
• Liao the distinct	water. Imran has a beaker		side-lengths a and		Howers in ner garden.	
• Use the division	containing 3/ 5 of a life of		b has a parimeter		For every 5 red flowers	
calculation so solve the	water. Express the fractions		of 30cm a is a 2		she plants, she plants 3	
Fundation reserves a server	with a common		digit whole number		yenow nowers. If Giya	
Explain your answer.	where here a state of the		and h is a 1 digit		plants 18 yellow	
	whose beaker contains the		whole number		nowers, now many red	
	most water.		What are the		nowers does she plant?	
	• Ben and Felicity are both		what are the	•	I am making a	
	trying to raise the same		and b?		necklace. So far, it has	
	amount of money for	Ι.			4 black beads and 1	
	charity. So far, Ben has raise	•	The diagram shows		white bead. How many	
	3/4 of the amount, while		the total cost of the		more white beads	
	Felicity has raised 5/7 of the		items in each row		would I need to add so	
	amount. Express the		and column. Fill in		that there are 4 white	
	fractions with a common		the 2 missing costs.		beads for every 1 black	
	denominator to work out				bead?	
	who is closest to meeting					
	their target.					
	6F–3 Compare fractions with					
	different denominators					
	Compare fractions with different					
	denominators, including					
	fractions greater than 1, using					
	reasoning, and choose between					
	reasoning and common					
	denomination as a comparison					
	strategy					
	• Which number(s) could go					
	in the missing-number box					
	to make this statement true?					
	Without using a common					
	denominator put each set of					
	denominator, put each set of					

	 fractions in order from smallest to largest. Sabijah and Will are in a running race. Sabijah has run 9/10 of the race. Will has run 8/9 of the race. Who is further ahead? Explain your reasoning. Fill in the missing symbols (<, > or =). Think of a number that can go in each box so that the 		
	fractions are arranged in order from smallest to		
Geometry	laigest.		Geometry: Properties of Shape
Measurement			6G–1 Draw, compose and decompose shapes
Measurement Statistics			 6G-1 Draw, compose and decompose shapes Draw, compose, and decompose shapes according to given properties, including dimensions, angles and area, and solve related problems. Lois has started drawing a shape on this squared- centimetre grid. Complete her shape so that it has an area of 14cm2. Here is a rhombus on a triangular grid. Draw a different shape with the same area on the grid.
			 Draw a hexagon on this squared- centimetre grid. Include one side of length 4cm and one side of length 3cm. Here is a square made from 4 smaller

		squares. The area of
		the large square is
		64cm2. What is the
		length of 1 side of
		each small square?
		• Here is a sketch of a
		triangle. It is not
		drawn to scale.
		Draw the full-size
		triangle accurately.
		Use an angle
		measurer
		(protractor) and a
		ruler.
		• Here is a picture of a
		pentagon made from
		a regular hexagon
		and an equilateral
		triangle. The
		perimeter of the
		triangle is 24cm.
		What is the
		perimeter of the
		pentagon?