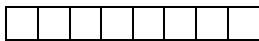
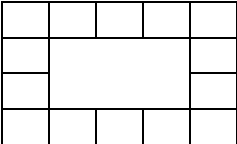


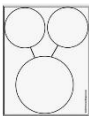
MTP	Comparison Purpose of seeing which set has more	Cardinality Counting principles	Composition Whole into parts and parts into a whole	Pattern	SSM
Autumn 1	Begins to make comparisons between quantities Uses some language of quantities, such as 'more' and 'a lot' 	Recites some number names in sequence Cardinality – object counting to 3 (eyes, ears, feet, hands) there are 3 altogether / the whole is 3	Recites some number names in sequence 	Recognise pattern in pictures Recognise pattern in routines 	Use past & future language Use size language Big / small 
Times / Transition/ Routines / Baselines	Register – more girls or boys? Snack – more drinking milk than water / fewer bananas or apples Dinners / sandwiches Dinners / going-home Vegetarian / meat	Register – how many children altogether? Snack – how many milk? apples? Tidy-up Time	Register – how many boys? girls? altogether? Snack – 2 parts of an apple 1 whole. 3 parts of a banana 1 whole	Register – boy, girl, boy, girl Pattern, plain, pattern, plain	Register – visual timetable
Rhymes & Songs	2 Little Dickie birds 5 little leaves When Goldilocks went to the house of the bears	Head, shoulders, knees & toes 1, 2, 3, 4, 5		I like my spotty socks Clap your hands and wiggle your fingers	
Stories	Goldilocks and the 3 bears Three Billy Goats Gruff Three little pigs	Quack & Count 	Potato Joe 		Shape by shape – Suse MacDonald Shapes that roll – Karen Nigall 
Games	Top Marks(website) - (IWB) drag & drop game	0, 1, 2 tracking games	Pairs – 2 halves (fruit, animals)	Fuzzy Felt	Size lotto
Continuous provision focus	Home corner – matching plates, cups, bowls, spoons	Hop scotch (outdoors) Hoops on the ground – 2 children in this hoop, 3 children in this hoop etc	Half & whole plastic / wooden veg Symmetry painting	Painting patterns Wrapping paper – wrap up boxes Sorting socks	Shape sorting

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Autumn 2	Compares two groups of objects, saying when they have the same number Comparison – sorting Can you find the exact same? photos, then pictures / same animal different kinds	Uses some number names and number language spontaneously Cardinality – subitising (N1 1 – 3) linking number names with quantity 3 cars, 2 apples, 1 bike – can instantly name 1, 2, or 3 objects Under a bowl  Can just get 3 pens without counting	Shows an interest in number problems Composition – seeing parts Group of objects can be called a whole The whole is bigger than the parts. Visual (not using numbers) ● ● the parts are smaller than the whole  The 5 pencil pot is the whole	Extend pattern (linear A B) continue  Copy pattern (seen) linear A B   Names the repeat (red, yellow pattern) Copy pattern (unseen) – linear A B  cover it children to remember and recreate	Notice shapes in pictures Recognise shape & size Play with shapes Makes arrangements with objects Notice shapes in the environment
Times / Transition/ Routines / Baselines	Find your photo Find your name More jumpers / cardigans Buckles / Velcro Buttons / Zips	Count around the circle to 3. Person who is 3 go to choose. Tidy-up Time	Tidy Time – 5 pencils in a pot	Register – all girls / all boys 3 children can play here	If you have a circle / square / triangle / rectangle you can go and choose
Rhymes & Songs	Longer shorter song (youtube)		5 little ducks 5 little speckled frogs	I like to eat apples and bananas (youtube)	I'm a little triangle
Stories	Let's compare numbers – Kids Academy (youtube)	10 black dots 		My Mum and Dad make me laugh	The Greedy Triangle You can't take an elephant on a bus 
Games	Dress the teddy / dog (Top Marks)	Kim's game The Box game – how many are hiding (still 3 even when hiding under a bowl)	Cutting fruit set	Loose parts (natural objects) patterns	Shape sort Shape lotto
Continuous provision focus	Comparison sorting tall / short big / small circle / not circle	Garage & cars		Pattern cards to copy	Shape paper for painting on Shape printing Different sized boxes and objects – how many will fit?

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Spring 1	Comparison – sorting (describe the rule) shadows – just hearts / shape / colour (others to be left as irrelevant) sorting clothes (just the socks) – can you sort in a different way? blue / not blue	Recites numbers in order to 10 Cardinality – verbal counting clearly defined number names when chanting (different starting & stopping numbers) silly puppet 	Composition – seeing parts yellow ● & blue ● (parts) = green ● (whole)  How did you see the flowers?	Repair pattern (gap) linear A B (I have forgotten one what could it be?)  Repair pattern (gap / no gap)  	Sort objects according to shape or size Shows interest in shape through construction Talk about shapes & arrangements Uses positional language
Times / Transition/ Routines / Baselines	Silhouette of each child – who is this? Who couldn't it be? Why? Compare dinners – embed from Autumn Term	How many children are here today? Who is 3? Who is 4? Count around the circle – when it stops on (any number) you can go and choose	How many boys / girls? How many altogether?	Dress / trousers Red jumper / white polo Blonde hair / not blonde hair	Height order – shortest / tallest / shorter than ... taller than ... to choose first
Rhymes & Songs	Embed	This old man 1, 2 buckle my shoe	Embed	Pump up the pattern (youtube)	Embed
Stories	The Black Rabbit		10 little ladybirds	Pattern bugs	Goldilocks & the three bears
Games	Match shadow to picture Guess the wrapped object – what could it be? what can't it be?	Dominoes	Photos of children cut in half (match) - pairs	Pattern games	Shape pictures Fuzzy felt
Continuous provision focus	Sock sorting (stripe / no stripe) Shadow puppets Light Box – black & translucent	Ordering numbers Big carpet tiles	Colour mixing Pictures of objects – how do you see them?	Design a sock	Circle / not circle sort Shape hunt

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Spring 2	Comparison – Perceptual N2 not beyond 5 2 sets of the same object but less than double : visually more / fewer / same	Sometimes matches numeral and quantity correctly Cardinality – object counting say and touch counting beginning 1:1 Stopping number tells you how many in the group	Knows that numbers identify how many objects are in a set Separates a group of three or four objects in different ways, beginning to recognise that the total is still the same Composition – inverse Number Blocks  Skittles – knocking 1 down and putting it back to make a whole 10 green bottles – how can we get back to a whole?	Pattern (linear A B) variation  Pattern (linear A B) variation 	Uses shapes appropriately for tasks Beginning to talk about the shapes of everyday objects, e.g. 'round' and 'tall'
Times / Transition/ Routines / Baselines	Fewer or more boys / girls	How many boys? girls?	20 children altogether. How many if 2 sit down? How many if 3 stand on one leg? Still 20	Register children standing, sitting, standing 4 children can play here etc	Star stickers
Rhymes & songs		There were ten in the bed and the little one said	10 green bottles		
Stories	Two of everything 	Mouse count Kipper's Toybox 		Elmer Pattern insects	Mouse Shapes 
Games	Dominoes	Counting caterpillars game Numeral pebbles	Skittles	Dice Big and Little patterns	Shape lotto What's in the bag?
Continuous provision focus	Sorting animals (large, small, colour)	How many children in the hoop?	Part / whole (objects) Skittles (outdoor)	Continuous pattern cards to copy / extend	Shape shop Shaped paper on the easel. Shape cutters in the dough Cutting out shapes

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Summer 1	Comparison – Perceptual comparing 2 different sets Discuss fair and unfair sharing 4 frogs and 1 jumps in the water. How many are left? How do you know?	Realises not only objects, but anything can be counted, including steps, claps or jumps Counts up to three or four objects by saying one number name for each item Cardinality – object counting Saying number names in sequence to 5 and then 10 and beyond. Counting things that cannot be touched or seen	Composition – partitioning 3 bits of banana = 1 whole 4 bits of an apple = 1 whole 5 currant buns 	Measures short periods of time in simple ways. Pattern (linear A B) problem solving  Circular patterns	Use mathematical names for 'solid' 3D shapes and 'flat' 2D shapes Select a named shape Can describe their relative position such as 'behind' or 'next to'. Orders two or three items by length or height. Orders two items by weight or capacity.
Times / Transition/ Routines / Baselines	Make a group of 4 and go to the playdough	How many claps? How many marbles in a jar?	Snack Time – 1 banana (3 parts of a banana) 1 apple – 2 parts of an apple etc	Sit in a circle boy, girl, girl, boy, girl, girl etc	Silhouettes of the children
Rhymes & Songs	Embed	Birthday cake song	5 currant buns	Number Blocks	
Stories	The Doorbell Rang	Mr Gumpy's Outing	Ten in the bed One is a snail	Aliens love underpants	How much does a ladybird weigh?
Games	Dominoes	Tracking games Dice games – match number to numeral (subitised) 3 lovely things game	The Bus Ride game (edushape)	Lego pattern games	Compare Bear games
Continuous provision focus	Snack shop Plates of food – more or less	Numerals lines Ten Frames Hungarian ten frames	5 currant buns activities	Musical pattern cards  Printing patterns	Dolls House How will the bear fit in his bed?
					Tracing shapes – pencil control

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Summer 2	Counts an irregular arrangement of up to ten objects Comparison – matching subitising (dice, dominoes, other arrangements) Tracking games 	Counts out up to six objects from a larger group Cardinality – object counting Counting forwards and backwards from different starting numbers Counting out from a bigger number Counting objects of different sizes Dice & tracking games Match numeral and number	In practical activities and discussion, beginning to use the vocabulary involved in adding and subtracting Composition – part whole 1 and 4, 2 and 3, 2 and 2 and 1 = 5  Number bonds	Uses familiar objects and common shapes to create and recreate patterns and build models. Pattern – progression towards F2 – Can you change blue for yellow. Can you create a pattern for your friend to copy or continue?	Beginning to use everyday language related to money. Orders and sequences familiar events. Uses everyday language related to time.
Times / Transition/ Routines / Baselines	Make a group of 4 and go to the writing table	Days of the week song Starting & stopping numbers 5 lovely things Count around the circle – when it stops on 5 go and choose	Snack time How many segments of an orange	Fruit kebabs – snack time	Play with for 5 mins (sand timer) then it is someone else's turn Yesterday, today, tomorrow
Rhymes & songs	Three blind mice Same & different (youtube)	Here is the beehive 1, 2 buckle my shoe			The clock song (youtube)
Stories	A Fair Bear Share	The elephant and the bad baby None the number	How many legs? 10 little teddies	The Election	Clocks & More Clocks
Games	Dice / dominoes games Compare Bears	Dominoes Snakes & Ladders	Dice games Candles on a cake Packing a case	Pattern boards Geo boards	Sequence games Penny game
Continuous provision focus	Large floor track outside Snack shop	Match numeral & number	Part / whole – number bonds 2 pennies = 2p piece 5 pennies = 5p piece	Pattern cards Sock for sorting / matching / pairing Ballot Box	Shape Shop Coin sorting

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