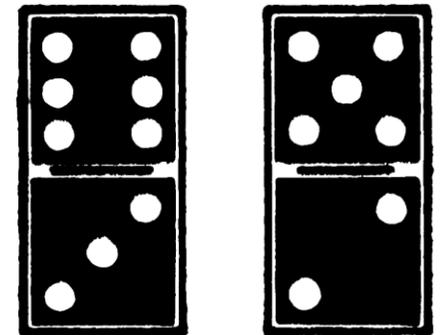


# Hinguar Primary School and Nursery



## Early Maths Play Activity Ideas Book

### Number



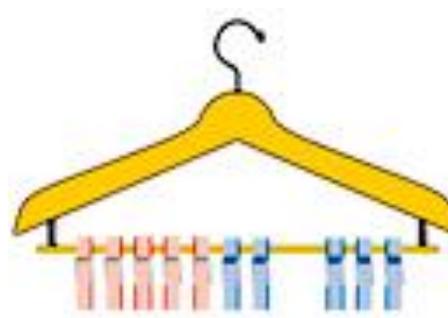
## Maths Play Activities: Number

### Playdough:



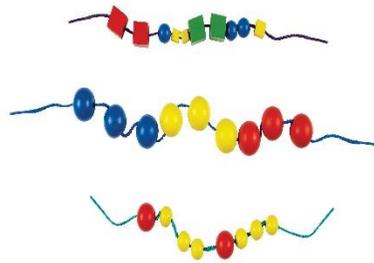
Whilst using playdough include resources such as candles, cupcake cases, baking trays and straws to encourage one-to-one counting, counting forwards and backwards. Recognition of number associated with a particular pattern such as subitising (recognising a small number of objects without counting) can begin. One more/less, add and take away vocabulary can also be used.

### Pegs:



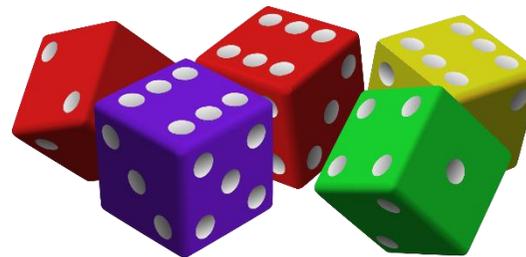
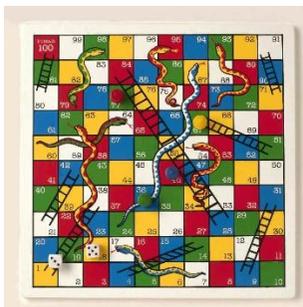
Pegging clothes to a washing line can aid counting. Pegs are very useful in number bonds (2 numbers added together to create another e.g.  $1 + 3 = 4$ ) and can show how these can be moved but still create the same number e.g.  $2 + 2 = 4$   $3 + 1 = 4$ . You can then also explore subtraction as the pegs can physically be moved to demonstrate the process.

## Beads:



Beads are very versatile, you can thread them, move them from plate to plate using tweezers, add and subtract with them, make jewellery. You can bring in discussions of more and less e.g. "how many more beads will I need to reach the end" and can start to explore early estimation, refining to likely responses as children's understanding about number develops. e.g. starting with an estimation of 100 million beads then moving onto more reasonable suggestion of 10.

## Board games:



Snakes and ladders, bingo, dominoes, snap, pairs, all help children to recognise numbers, count one-to-one, understand about addition and subtraction, more and less, match numbers to amounts and recognise numbers and quantity as patterns.

Number hunt:



8



2



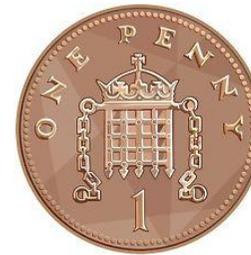
Look for numbers in the everyday environment e.g. when out at the supermarket, house numbers, bus numbers you could even create a challenge to be the first to spot e.g. a number 8. You could link this to numbers which children are finding particularly difficult to recognise, Create a number hunt by hiding numbers around your house as this will help with number recognition in a fun way. You can even place pictures with numbers to make it more interesting e.g. 'can you find which numbers these characters are hiding?'

Counting during every day routines:



Commenting on number and counting during every day routines will expose children to number names and counting. Examples could include: Count how many stairs you walk down, how many plates do you need for dinner? When cooking how many spoons of flour shall we put in? We need to stir the mixture 6 times , we need to put this in the oven for 20 minutes etc.

## Shopping



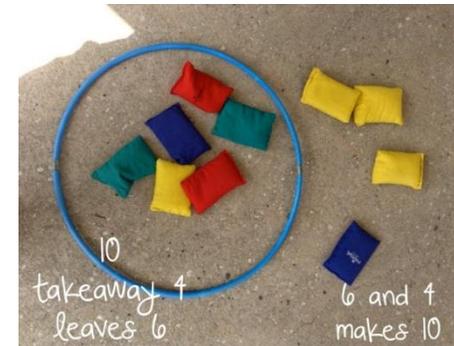
Children love to play 'shops'. You could support understanding of number by joining the play and asking them to select 5 objects for you or asking them to count how many objects are in the basket. You can introduce number recognition and early addition and subtraction by adding simple price labels to shopping items. During shopping play you can introduce simple problem solving activities e.g. I have 3p which items can I buy? I have 10p and want to buy 2 items, which items can I choose?

## Physical number activities



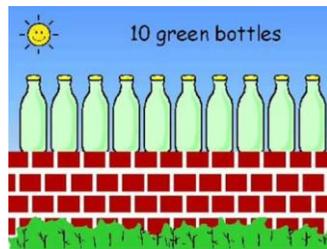
To get children up and moving you could link numbers to movements e.g. rolling a dice and choosing an activity to complete on this roll e.g. 5 star jumps. You could also have number tiles placed around an outside area and use an instrument to play to show the number that the child has to find. Taking turns will make the activity fun and will help your child to link numbers to amounts as their understanding grows.

## Hoop games / throwing/ bowling



Children can be kept active whilst developing their understanding about number by throwing games such as bowling and hoop scoring games. Children can identify the number of skittles they have knocked down and how many are left standing, supporting understanding of number bonds e.g. 5 knocked down 5 standing -  $5+5=10$ . You could also add mark making into games such as these as children record their scores.

## Number songs



Number songs are fun and can be performed at home, when out and about or even when in the car and are a great way to help children to practise counting, addition and subtraction. To bring songs to life you could add props such as toys or get some family members or friends to join in the fun.