

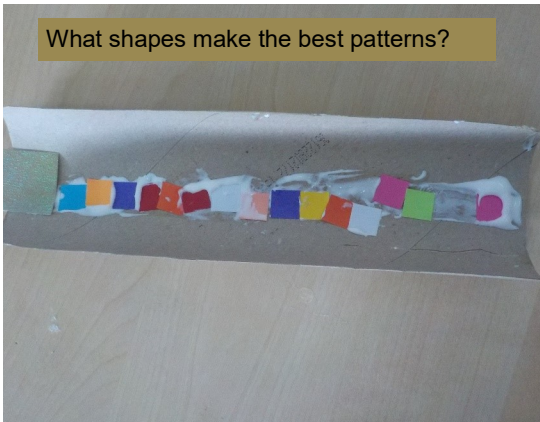
How much mud do I need to fill this bottle



How many birds did we see?



What shapes make the best patterns?



• What are the skills children need to have developed by the end of reception?

- To count reliably and understand how numbers are important
- Represent and use numbers
- Solve mathematical problems
- To be able to understand the idea of measurement and use language appropriately
- Notice, talk about and create patterns
- To know about and talk about shapes
- Use positional language

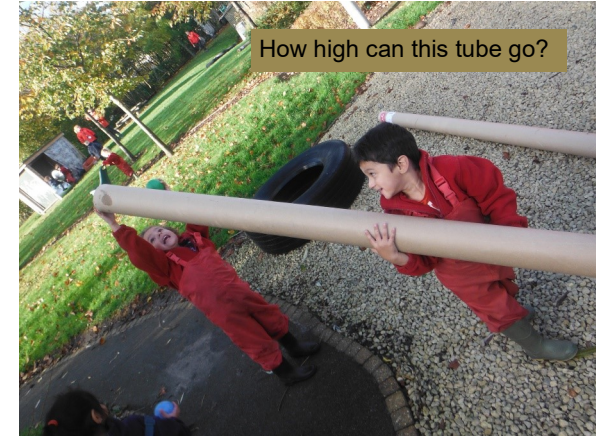
..... What is the best way of developing these skills?

Rich, real experience of play!

When is the bottle full?



How high can this tube go?



How do we support children to develop these skills?

By creating motivating mathematical problems that enable the children to begin to work out how the world works more simply and clearly

- How heavy is that stone?
- How high is that tower?
- Is that brick as big as this one?
- How much water do I need to fill this hole in the sand?
- Can I get my body through this hole?
- How do I build a wall?
- What shapes do I use and which ones work best?
- How can I put this one next to this shape?

.....Get outside!

- *It stimulates the imagination* and gives opportunities to wonder, think and share questions—who made those tiny footprints? how big is the tree? how much water do I need to fill this pot? How can I build a tall tower? How many bricks do I need to build this wall?
- *It gives a sense of freedom*—in time, space, control. Time to think, time to be with others to work things out or by myself, time to practice what I discovered yesterday
- *Lots of things to talk about* and to want to tell others about and to want to return to again
- *1000's of reasons to play, think and learn actively*

Interested in finding out more?
Check out our website
www.windsorcentre.com



Want to help your child ? Get them in the garden, get them in water, go for a walk, take them to the park

- notice what they do and what they are interested in — and go with them
- Watch & wait, commentate—don't take over let them show you what they can do or want to learn to do & think how to develop it with them
- See what you learn about your child and how they learn



WINDSOR NURSERY SCHOOL

Why play at Windsor supports children to become mathematicians

www.windsorcentre.com