

Reception Practical Maths Activities

Counting and ordering numbers to 20



Write out the numbers 0-20 on some paper or card, cut them up and then ask a grownup to mix the numbers up. Then, see how quickly you can put them into the correct order. You could ask someone to time you and then see if you can get faster when you try again.

Shape Hunt



Go on a shape hunt around your home. Can you find a variety of 2D and 3D shapes? How many did you find? Discuss the shape properties, how many corners, sides, faces do they have? Record your findings.

Measuring



Order your family members by height. Talk about who is the tallest/shortest etc.

One More/ One Less



Draw and cut out some dinosaur shapes, using pegs, clip them onto the top of the dinosaur to create his spikes. Count them how many did you put on? How many would you have if you added one more/took one away? Can you tell your grown up without physically adding/removing a peg? Record your answers.

Matching quantity to numeral



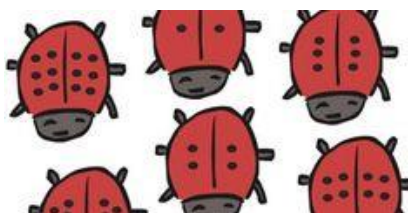
Make some buns using playdough. In each bun ask your child to put an amount of candles in. For example, I want you to put 4 candles in that bun. The child would then count out 4 candles and place them in the bun. Do this with numbers from 0-20. Discuss which bun has the most/less.

Addition & Subtraction



Using any kind of objects, create practical number sentences to add or take away. Write your own number sentences after to challenge your family!

Doubling



Draw some ladybirds or print them from your computer! Draw some spots on one side of the ladybird, then draw the same amount to double it! Test your child by drawing different amounts, can they spot when it has been doubled or will they be tricked?

Halving



With adult supervision allow your child to cut food in half, this can be done with fruit, chocolate, biscuits etc. Children should understand that when something is halved it has been shared into equal parts.

Number Recognition



Ask your grown up to hide number cards around your house and play hide and seek! You must name each number you find. To keep the game going find so many objects of the number you have found.

Weight



Do basic cooking activities with your child, allow them to weigh out the ingredients and read the scale. Discuss which ingredient weighs the most/less.

Patterns



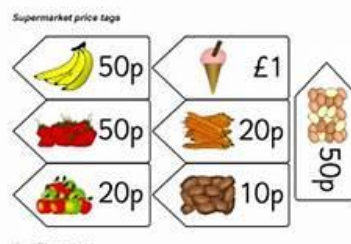
Allow your child into the garden and ask them to collect a range of natural resources. These could include stones, sticks or leaves. Encourage them to create a repeated pattern.

Time



Complete a range of exercises, this could include jogging on the spot, star jumps etc. Ask your grown up to time you and see how much you can do of one exercise. Do this daily to improve your fitness and see if you can get quicker and complete more exercise each day!

Money



Set up a shop in your home and give your child some money (coins). Discuss what each coin represents so your child understands how much money they have to spend. Put price tags on items in your house. Your child needs to work out what they can afford to buy.

Positions



Ask your child to put themselves into different positions such as on top, under, behind, in front, next to in different places in your household. Ask the child to then ask you to move into different positions.

Useful websites:

<https://whiterosemaths.com/homelearning/early-years/>

www.kids.classroomsecrets.co.uk

www.topmarks.co.uk

www.ictgames.com

www.nrich.maths.org

<http://www.crickweb.co.uk/Early-Years.html>

www.twinkl.co.uk

www.pinterest.co.uk

Resources you might find useful

Paper

Pens

Tape measure

Pegs

Playdough

Candles

Counting objects

Cooking equipment

Natural resources (stones, sticks, leaves etc)

Timer

Money (coins)

Playdough Recipe

2 cups flour

1 cup salt

1 cup hot water

2 tbsp vegetable oil

1-2 tbsp cream of tartar

Food colouring

Mix all ingredients together until a dough is formed. This can be done in the microwave or on the hob, just ensure you keep stirring!