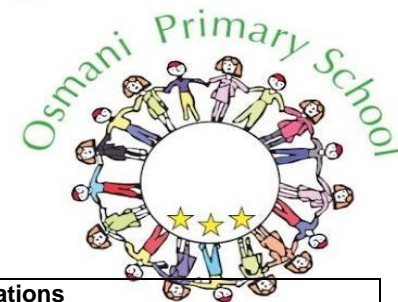# Osmani Primary School
Vallance Road, London E1 5AD

Maths
Home Learning Activities
Year 6- Spring 2 2024

Problem Solving- Probability

What you'll need: Two coins, paper, and pencil to keep score

What to do: Flip one coin. Every time it comes up heads, your child gets 1 point. Every time it comes up tails, you get 1 point. Flip it 50 times.
Tally by 5's to make it easier to keep track of scores. The person with the most points wins. If one person has 10 points more than the other person does, score an extra 10 points. Does this happen very often? Why not?

Flip two coins. If the coins come up two tails or two heads, your child scores 1 point. If it comes up heads and tails, you get 1 point. After 50 flips, see who has more points.
Do you think the game is fair? What if one person received 2 points for every double heads and the other person received 1 point for everything else. Is this fair?

Using and applying

Discuss special offers and calculating discounts e.g. 20% reduction, 50% sale price.

Children to work out 10%, 20%, 25%, 50% and 75% off different objects found in supermarket

Numbers

Look at the thermometers within your house,(heater/fridge/freezer)
Write them down coldest –hottest
What is the difference between them?

Can you estimate the average temperature of the Antarctica?
What might be the average temperature be for the Sahara desert?
Check your estimates using the internet. How close were your estimations?

Calculations
Learning times tables
All times tables from 1 to 12 x times tables
Children and parents can make **thumb cards**. Each small business sized card will have a multiplication sum on it. For example 5x8=40. Parents can cover over one of the numbers. Children must work out what the missing number is?

Equivalent fractions

Using sandwiches to show fractions 1/2, ¼ and that 2 quarters is equivalent to half
♦ using a round sandwich cakes to show fractions 1/2, 1/4,1/6, 1/8 etc. and finding equivalent fractions

Measurement

Calculating areas e.g.
How many tiles are there in the shower?
Estimate amount of carpet, curtain material, paint etc. needed for a room in the house. Work out cost.

Number bonds

Different ways to make 10 using the numbers 0-10
Different ways to make 20 using the numbers 0-20
Different ways to make 100 using the numbers 0-100
Different ways to make 1000 using the numbers 0-1000