

Maths based books:

<https://nrich.maths.org/14113>

<https://nrich.maths.org/14116>

<https://nrich.maths.org/14119>



How can you support maths at home?

Calculating - Opportunities to discuss multiplication and division facts

- Laying the table - “We each have a knife, a fork and a spoon, but _____ is also coming to dinner, how many pieces of cutlery will now be on the table”
- Corresponding division facts to multiplication tables....”There are 4 biscuits - you and share them equally/halve them - how many will we get each?”
- Play games which include numbers (card games, memory games like pairs, board games etc.)
- Shoes (other things in pairs) to develop two times tables - “There are 6 pairs of shoes, how many shoes are there altogether?”
- Can also do this for things in other times tables.... “There are 6 people in this room how many fingers are there altogether?”
- Monthly calendar - how many days are left in this month? How many days are left until ___’s birthday?

Geometry:

- Look for shapes in the home, name them, compare their properties, “I know that’s a rectangle because it has two pairs of equal sides”.
- Discuss weight/mass through cooking and baking.
- Helping to measure things, family member’s heights, discussing whether it would more appropriate to measure things in mm, cm, metres, km
- Talk about positioning/orientation of objects - under, over, on top of, below, next to, opposite to, behind, left to, right to etc. and playing games like Battleships so children have to use positional language.
- Have a monthly calendar to cross off days, discuss today’s date.

How can you support maths in the environment (walking home, in the park and in the shops?

- So we saw 2 red cars and 3 blue cars. “What percentage of the the cars were blue?”
- “I see four buses, how many wheels are there on those buses altogether?”
- “There are 8 cars parked there. If a quarter of them leave, how many will be left?”
- In shops, show children money, how you are paying. “If I pay with this, how much change will I get?”.... “If I paid for this using only 20 pence pieces, how many coins would I need?”