# Supporting maths at home

## Useful online resources:

- Sumdog
- Nrich Maths Can locate challenges appropriate for 7-11 years https://nrich.maths.org/9084
- Top Marks Maths Games https://www.topmarks.co.uk/Search.aspx?Subject=16
- J2 Blast https://www.j2e.com/j2blast
- You cubed https://www.youcubed.org/tasks/
- Maths Seeds <u>https://mathseeds.co.uk/</u>

# Suggested games and resources:

- Any boardgame game including numbers or counting
- Uno (used as timestable factors to make their product

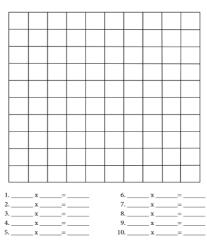


- Games ideas on Youcubed (e.g four in a row products,

36

 $9 \times 4 \qquad 4 \times 9$ 

How Close to 100?



| 81 | 16 | 63 | 12 | 45 | 8  | 27 | 4  |
|----|----|----|----|----|----|----|----|
| 32 | 63 | 24 | 49 | 16 | 35 | 8  | 21 |
| 72 | 24 | 18 | 40 | 12 | 24 | 6  | 56 |
| 40 | 54 | 30 | 42 | 20 | 30 | 10 | 18 |
| 45 | 48 | 35 | 36 | 25 | 24 | 15 | 12 |
| 64 | 27 | 48 | 21 | 32 | 15 | 16 | 9  |
| 36 | 56 | 28 | 42 | 20 | 28 | 12 | 14 |
| 72 | 18 | 54 | 14 | 36 | 10 | 18 | 6  |

1 2 3 4 5 6 7 8 9

#### 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?"