

## A PARENTS' GUIDE TO MATHS IN THE CURRICULUM

CURRICULUM INNOVATION GROUP




| Stage 3 | The next stage is partitioning the numbers. <br> Full Written Method |
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| Abridged Writing Stage |  |


| Subtraction Stage 2 | The next step is to use the number sentence and be able to solve it. <br> Find the starting number and then count back to the correct number using a number line. <br> $7-4=3$ |
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| Stage 3 | The next stage is to be able to use a 100 square. |



| Multiplication <br> Stage 2 | Draw dots for each object as they set them out in lots of. |
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| Stage 3 |  |



| Division |
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| Stage 2 |$\quad$| The next stage is to use the language associated with division and being able |
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| to read a division number sentence. |
| When sharing out objects, they are placed one at a time into different |
| containers. |
| 6 l $3=2$ |


|  | $15 \div 3<$ <br> Examples: $17 \div 3=5 r 2$ |
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## Year 2-Suggested games to play at home which promote mathematical development

By the end of Year Two, children are expected to be confident with numbers to at least 100.

I can read and write all numbers to at least 100 in numerals and words:
Play number bingo or pairs - matching numbers to numbers or numbers to calculations:
Try writing numbers using different media (chalk, pencils, pens);
Read numerals in real life environments e.g. door numbers, road signs.

I can recognise number patterns; such as recognising odd and even, counting in steps of 2,3,5 and 10:
Look at number patterns on doors when walking up the street;
Try counting everyday objects, including larger numbers by grouping in $2 s, 3 s, 5 s$, 10s;
Play board games (to encourage the children to count as they move their playing piece). Also try card games;
Count as walking up the stairs (in $1 s, 2 s, 3 s, 5 s$ and $10 s$ );
Count or tally the number of different vehicles when travelling in the car.

I can recall and use multiplication and division facts for the 2,5 and 10 times table:
Sing number songs (multiplication CDs);
Focus on one table at a time until the children can recall the facts as quickly as they can recall their name (randomly as well as in order).

## I can add and subtract two 2-digit numbers:

This is something we are aiming for at the end of year 2. Over the year we will build up to this starting first with 2-digit +/-1 digit, then 2-digit +/- 2 - digit; Using the children's toys to add, subtract and sort into groups.


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I know the fractions $\frac{1}{3}, \frac{1}{4}, \frac{1}{2}$ and $\frac{3}{4}$, and can use them to find fractions of shapes, lengths and numbers:
Share out food and toys so that each member of the group has an equal quantity; find half $\left(\frac{1}{2}\right)$, quarter $\left(\frac{1}{4}\right)$ and thirds $\left(\frac{1}{3}\right)$ (sharing out a box of smarties, bunch of grapes, box of Lego);
Make shapes using dough, find half $\left(\frac{1}{2}\right)$, quarter ( $\frac{1}{4}$ ) and thirds ( $1 / 3$ );
Begin to look at fractions that equal the same amount $\left(\frac{2}{4}=\frac{1}{2}\right)$.

I can compare, order and problem solve using measures such as length, mass, capacity, time and money:
Cook and bake - weigh out ingredients, measuring liquids;
Use the clock to illustrate tea time and how long it is until an event (to the nearest 5 minutes, quarter past and quarter to);
Time activities - estimating and measuring how long an activity could take eg.
getting dressed, car journey, length of a film:
Display a child's calendar, focusing on the days of the week, how many days / weeks or months until special events:
Play shops, pricing items and paying for them using real coins:
Encourage your child to select the correct coins to pay for small items;
Sort coins from their money box or your purse;
Measure how many footsteps it takes to walk to certain places (eg. down the drive) and compare the child's with the adult's;
Measure different objects using a tape measure or ruler:
Use different containers in the bath to see which holds the most water, measuring scales.

## I can find shapes and talk about their properties:

Go on shape hunts when walking or in the car (look for quadrilaterals, polygons, cuboids, prisms and cones):
Find 2d shapes on 3d shapes (circle on a cylinder, square on a cube)


## With your child practice their rapid recall of the following:

- Number bonds to $10(4+6,8+2)$
- Number bonds to 20 (11+9, 4+16)
- Counting in steps of $2 s, 3 s, 5 s$ (forwards and backwards)
- Recognise odd and even numbers
- Recall 2s,5s, 10s times tables
- Recall division facts for $2 s, 5 s, 10$ s times tables; e.g. $5 \times 10=50$ so $50 \div 10=5$
- Counting forwards and backwards in 10s from any number

To see the whole of your child's Year 2 curriculum, use the following link:

## The National Curriculum for Mathematics

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/3 35158/PRIMARY_national_curriculum_-_Mathematics_220714.pdf

## Websites that are useful:

http://resources.woodlands-junior.kent.sch.uk/maths/
http://www.kidsmathgamesonline.com/
http://www.bbc.co.uk/skillswise/maths
http://www.bbc.co.uk/education/subjects/z826n39


