Kennall Vale School Ponsanooth

Maths @ KVS

Truro and Penwith Academy Trust

Q. How can I help my child at home, particularly in maths…

In year 1 and 2 your child is building the foundation to their understanding of mathematics. Just like learning to read English, maths is another language they need to develop a strong grasp of. So, just as reading (practising phonics) is a crucial part of your child's daily learning, so is maths.

As new concepts are being learnt it's important to give the children the best possible chance of understanding them without misconceptions. For this to be most effective, number facts and bonds need to be learned for automatic recall.

This shows the number facts that we encourage your child to learn by the end of KS1.

I recommend you practise these daily but it doesn't need to be a long grind. Snappy, quick-fire questions where you point to a square and your child recalls the answer (visual is better than verbally asking them)

Adding 1 | Bonds to 10 | Adding 10 | Bridging/ compensating | Y1 facts
Adding 2 | Adding 0 | Doubles | Near doubles | Y2 facts

+	0	1	2	3	4	5	6	7	8	9	10
0	0+0	0+1	0+2	0+3	0+4	0+5	0+6	0+7	0+8	0+9	0+10
1	1+0	1+1	1+2	1+3	1+4	1+5	1+6	1+7	1+8	1+9	1+10
2	2+0	2+1	2+2	2+3	2+4	2+5	2+6	2+7	2+8	2+9	2+10
3	3+0	3+1	3+2	3+3	3+4	3+5	3+6	3+7	3+8	3+9	3+10
4	4+0	4+1	4+2	4+3	4+4	4+5	4+6	4+7	4+8	4+9	4+10
5	5+0	5+1	5+2	5+3	5+4	5+5	5+6	5+7	5+8	5+9	5+10
6	6+0	6+1	6+2	6+3	6+4	6+5	6+6	6+7	6+8	6+9	6+10
7	7+0	7+1	7+2	7+3	7+4	7+5	7+6	7+7	7+8	7+9	7+10
8	8+0	8+1	8+2	8+3	8+4	8+5	8+6	8+7	8+8	8+9	8+10
9	9+0	9+1	9+2	9+3	9+4	9+5	9+6	9+7	9+8	9+9	9+10
10	10+0	10+1	10+2	10+3	10+4	10+5	10+6	10+7	10+8	10+9	10+10

The reason for this is to encourage your child to see the total immediately rather than calculating, thus saving them brain power and time!

When a child learns the i, g and h sounds the accept them as individual sounds. When learning igh as a sound they don't say i, g, h – igh! They simply say igh.

The same can be said for addition and subtraction number facts (and later times tables) When the child sees a 3, a plus sign + and a 2, for example, ideally they would read this immediately as 5, rather than spending time calculating.

To assist with number facts and learning time tables, we have access to a super online resource. Numbots is a great game to help children learn to subitise and to embed their number facts. While Time Table Rock Stars (TTRS) is helpful I securing their Xtable recall. I have sent everyone access to both these resources but please contact me on Dojo if you require a login.

Lastly, in the past one of the children to learn their Xtables most efficiently used a poster next to their bed, simple solution but incredibly effective and gave that child a huge head-start when it came to accessing maths higher up the school.

NUMBOTS

TIMES TABLES ROCK STARS

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Y1 facts

Y2 facts

+	0	1	2	3	4	5	6	7	8	9	10
0	0 + 0	0 + 1	0 + 2	0 + 3	0 + 4	0 + 5	0 + 6	0 + 7	0 + 8	0 + 9	0 + 10
1	1 + 0	1 + 1	1 + 2	1 + 3	1 + 4	1 + 5	1 + 6	1 + 7	1 + 8	1 + 9	1 + 10
2	2 + 0	2 + 1	2 + 2	2 + 3	2 + 4	2 + 5	2 + 6	2 + 7	2 + 8	2 + 9	2 + 10
3	3 + 0	3 + 1	3 + 2	3 + 3	3 + 4	3 + 5	3 + 6	3 + 7	3 + 8	3 + 9	3 + 10
4	4 + 0	4 + 1	4 + 2	4 + 3	4 + 4	4 + 5	4 + 6	4 + 7	4 + 8	4 + 9	4 + 10
5	5 + 0	5 + 1	5 + 2	5 + 3	5 + 4	5 + 5	5 + 6	5 + 7	5 + 8	5 + 9	5 + 10
6	6 + 0	6 + 1	6 + 2	6 + 3	6 + 4	6 + 5	6 + 6	6 + 7	6 + 8	6 + 9	6 + 10
7	7 + 0	7 + 1	7 + 2	7 + 3	7 + 4	7 + 5	7 + 6	7 + 7	7 + 8	7 + 9	7 + 10
8	8 + 0	8 + 1	8 + 2	8 + 3	8 + 4	8 + 5	8 + 6	8 + 7	8 + 8	8 + 9	8 + 10
9	9 + 0	9 + 1	9 + 2	9 + 3	9 + 4	9 + 5	9 + 6	9 + 7	9 + 8	9 + 9	9 + 10
10	10 + 0	10 + 1	10 + 2	10 + 3	10 + 4	10 + 5	10 + 6	10 + 7	10 + 8	10 + 9	10 + 10