Parent support-How can you help at home?

As we already know, practice is essential when learning multiplication and division facts. Singing songs and reciting times tables can be very beneficial.

Games can be played with cards or dice. Turning over a card or rolling a dice and multiplying the number by the target table. Bingo can also be played, fill a card with multiples of the chosen table. Turn a card and multiply it by the target table. If the product is on your grid (answer) you can cover it up. Who will cover their board first?

Regular, short practices are better than one long session. You could practice on the way to school for example or have a family challenge. Please remember that children learn best when it is made fun.

How are you going to navigate your way through the Solar System?

X	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
5	0	5	10	15	20	25	30	35	40	45	50	55	60
6	0	6	12	18	24	30	36	42	48	54	60	66	72
7	0	7	14	21	28	35	42	49	56	63	70	77	84
8	0	8	16	24	32	40	48	56	64	72	80	88	96
9	0	9	18	27	36	45	54	63	72	81	90	99	108
10	0	10	20	30	40	50	60	70	80	90	100	110	120
11	0	11	22	33	44	55	66	77	88	99	110	121	132
12	0	12	24	36	48	60	72	84	96	108	120	132	144

Rangeworthy C of E Primary School

Astro Adventure

Rangeworthy C of E School Astro Adventure!

Why Learn Tables?

It is very important to have a quick and efficient recall of all times tables in order to be a mentally agile. Not only are times tables (x and ÷) important for mental arithmetic, they also help to solve mathematical puzzles. Times tables also link to fractions, percentages, ratio and proportion. Knowledge of times tables will give children more confidence in maths.

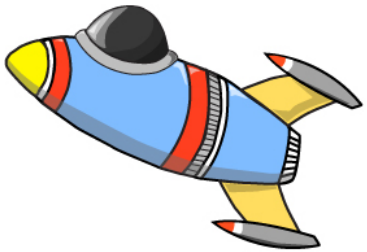
It is useful to know both the multiplication and division facts:

4 x 3 = 12 *so* 12 ÷ 3 = 4

Children are now expected to know all of their times tables up to 12 x 12 by the end of Year 4.

How will the Challenge Work?

This whole school initiative has been set up to motivate children to learn their multiplication and division facts. Regular testing will take place on a weekly basis. Each child will move from planet to planet, as their knowledge develops. A challenge must be completed after two planets, to recap what the children have learnt so far. Once the children have completed all the stages, they will finally move onto the 'Ultimate Galaxy Buster' that requires the children to apply all their knowledge.



Each child will have a UFO that is moved from planet to planet on a class display. Children will also have a card to record their achievements.

The awards are as follows:

Dwarf Planet - x 2, 5, 10

Neptune - ÷ 2, 5, 10

Challenge 1 - x *and* ÷ 2, 5, 10

Uranus - x 3, 4

Saturn - ÷ 3, 4

Challenge 2 - x *and* ÷ 2, 3, 4, 5, 10

Jupiter - x 6, 8

Mars - ÷ 6, 8

Challenge 3 - x *and* ÷ 2, 3, 4, 5, 6, 8, 10

Earth - x 7, 9

Venus - ÷ 7, 9

Challenge 4 - x *and* ÷ 2, 3, 4, 5, 6, 7, 8, 9, 10

Mercury - x 11, 12

The Sun - ÷11, 12

Solar System - x *and* ÷ 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

The Ultimate Galaxy Buster - using and applying knowledge across all aspects of mathematics.