



Guidance on timed multiplication facts tests

Each week, children take part in a timed test of their multiplication facts. The children work at a level appropriate for them, and each level builds on the one before. As a guide, children will progress to the next level when their test answers are consistently error free and completed within 3 minutes.

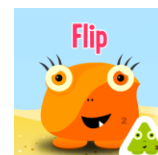
Below are the 6 test levels:	multiplication facts included:	Number of questions
cork	x10, x2	20
pine	x10, x2, x5 and facts up to 5x5	28
birch	x10, x2, x5, x3, x4	36
willow	x10, x2, x5, x3, x4, x9	40
oak	x2-x10	46
walnut	x2-x12 (x10 removed)	46
teak	x2-x12 & division/missing number	60
mahogany	2 digit multiplication and division	40

Below is a guide to expected standards by the end of each year group. In other words, a child in Year 2 should be achieving a minimum of 100% in under 3 minutes on Pine level.

Year	Working at expected standard by end of summer term
2	pine achieved
3	birch achieved
4	walnut achieved
5	teak achieved

You can help at home by:

- practising times tables
- practising the multiplication test booklets (copies are available from the teacher or you can download/print from the school website – learning/by curriculum area/mathematics)
- reviewing errors that your child makes and spending time on them
- using apps e.g. *Squeebles flip multiplication* (developed in partnership with St Margaret's and based on our test approach)





A visual model of how the tests systematically build upon prior learning

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

Cork					
Pine	Pine				
Birch	Birch	Birch			
Willow	Willow	Willow	Willow		
Oak	Oak	Oak	Oak	Oak	
Walnut	Walnut	Walnut	Walnut	Walnut	Walnut (x10 removed)

Note: Teak & Mahogany go beyond this visual model.

The weekly tests are based on two key principles:

1. Facts to be committed to memory are systematically built upon
2. The commutativity of multiplication is constantly reinforced e.g. $10 \times 7 = 7 \times 10$