Times Tables

https://saxonmaths.weebly.com/lower-ks2.html

Times Table check

Why is the recall of times tables so important?

- Knowing times tables facts is really important to enable your child to progress in their maths learning.
- Without a deep understanding of multiplication and division facts, children frequently get ‘lost’ when it comes to do anything with fractions and any multiplication or division with larger numbers.
- If they have quick recall of their times table and division facts, it frees up their working memory so they can solve more complex problems.
- The need to multiply is everywhere – in almost all areas of maths and throughout our normal lives. Budgeting, shopping, craft, DIY and cookery are just a few examples of everyday activities in which we use multiplication tables.

Reception	
Year 1	• Count in multiples of twos, fives and tens • Solve simple multiplication and division using objects, pictures and arrays
Year 2	• Count in steps of 2, 3, 5 and 10 • Recall and use multiplication and division facts for the 2, 5, and 10 times tables
Year 3	• Count from 0 in multiples of 4, 8, 50 and 100 • Recall and use multiplication and division facts for the 3, 4, and 8 multiplication tables
Year 4	• Count in multiples of 6, 7, 9, 25 and 1000 • Recall multiplication and division facts for multiplication tables up to 12 x 12
Year 5	• Use knowledge of times tables to multiply numbers up to 4 digits by a one or two digit number using a formal written method, including long multiplication for two digit numbers • Multiply and divide larger numbers mentally drawing upon known facts For example if 3 x 7 =21 then 3 x 70 = 210
Year 6	• Multiply one digit numbers with up to two decimal places by whole numbers • Use knowledge of times tables to multiply and divide using decimals For example if 6 x 7 = 42 then 0.6 x 7 =4.2

12 X 12 Multiplication Table

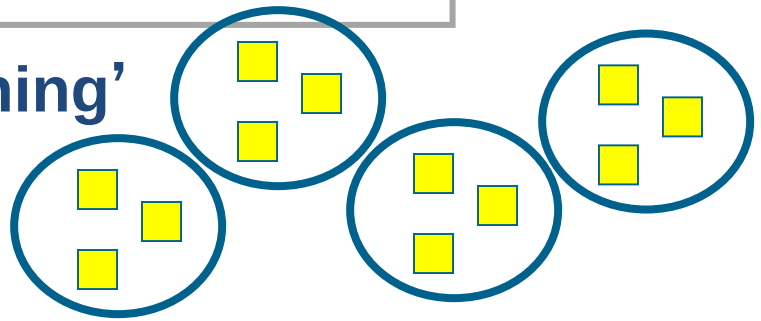
X	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
5	0	5	10	15	20	25	30	35	40	45	50	55	60
6	0	6	12	18	24	30	36	42	48	54	60	66	72
7	0	7	14	21	28	35	42	49	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

36 Key Facts

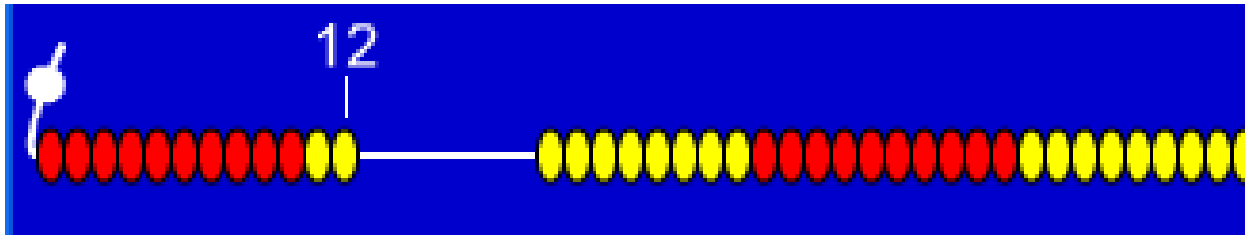
2 x 2 = 4							
3 x 2 = 6	3 x 3 = 9						
4 x 2 = 8	4 x 3 = 12	4 x 4 = 16					
5 x 2 = 10	5 x 3 = 15	5 x 4 = 20	5 x 5 = 25				
6 x 2 = 12	6 x 3 = 18	6 x 4 = 24	6 x 5 = 30	6 x 6 = 36			
7 x 2 = 14	7 x 3 = 21	7 x 4 = 28	7 x 5 = 35	7 x 6 = 42	7 x 7 = 49		
8 x 2 = 16	8 x 3 = 24	8 x 4 = 32	8 x 5 = 40	8 x 6 = 48	8 x 7 = 56	8 x 8 = 64	
9 x 2 = 18	9 x 3 = 27	9 x 4 = 36	9 x 5 = 45	9 x 6 = 54	9 x 7 = 63	9 x 8 = 72	9 x 9 = 81

Models for multiplication

Lots of the 'same thing'

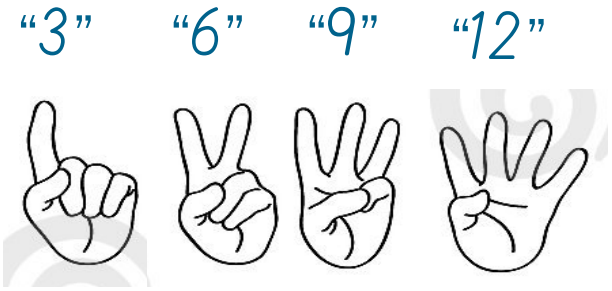


Bead Bar

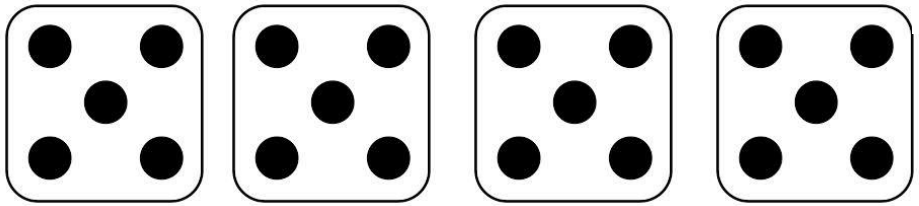


Number Line

Fingers

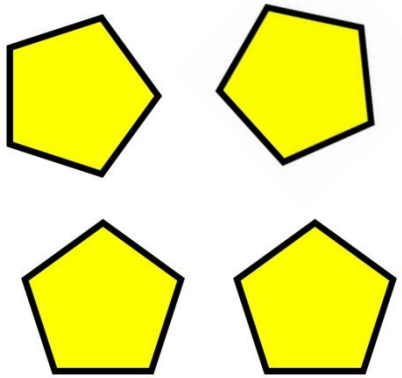


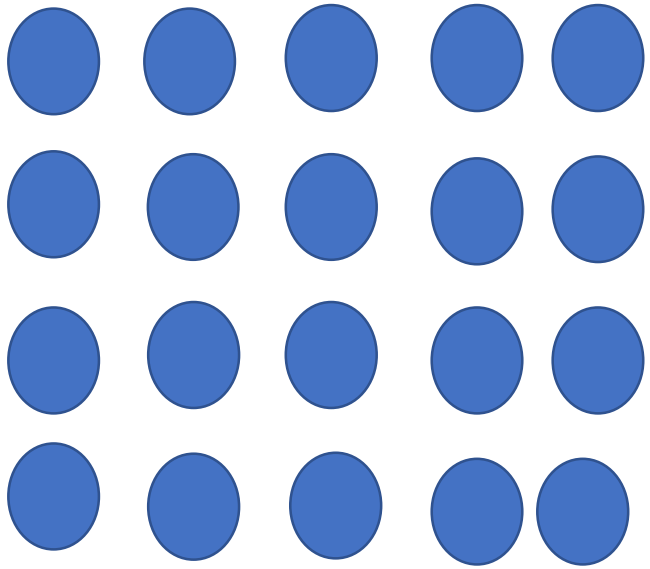
4 x 5 =



Count in steps of 2, 3, 5 and 10. Chant / sing

Represent the fact with objects or pictures





Recognise multiplication is commutative
4 x 5 is the same as 5 x 4

Facts for free

$8 \times 3 = 24$

$24 \div 3 = 8$

$24 \div 8 = 3$

$3 \times 8 = 24$

Equivalent facts

$12 \times 2 = 24$

$2 \times 12 = 24$

$6 \times 4 = 24$

$1 \times 24 = 24$

$3 \times 2 \times 4 = 24$

Nearby facts

$3 \times 7 = 21$

$3 \times 9 = 27$

$4 \times 8 = 32$

$2 \times 8 = 16$

Place value

$30 \times 8 = 240$

$30 \times 80 = 2400$

$300 \times 8 = 2400$

$0.3 \times 8 = 2.4$

$0.3 \times 0.8 = 0.24$

Games to play

- Throw and catch
- Bingo
- Pairs
- How many in 1 minute?
- Claim your squares

Other tips…

- Little and often
- Make it fun
- Make up silly rhymes for tricky facts
- Use what you know

Oxford Owl leaflet on Parent Page ‘Saxon Maths Weebly’

https://saxonmaths.weebly.com/uploads/8/0/6/2/8062199/oxford_owl_times_table_leaflet.pdf

- Times Table Rockstars

- Squeebles app

- Games on Saxon Maths website

https://saxonmaths.weebly.com/