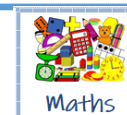




Year 3 Maths - Multiplication and Division



Multiplication and Division Facts (3, 4 and 8 multiplication tables)

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

3 x Tables

$1 \times 3 = 3$	
$2 \times 3 = 6$	
$3 \times 3 = 9$	$3 + 3 = 1$
$4 \times 3 = 12$	$6 + 3 = 2$
$5 \times 3 = 15$	$9 + 3 = 3$
$6 \times 3 = 18$	$12 + 3 = 4$
$7 \times 3 = 21$	$15 + 3 = 5$
$8 \times 3 = 24$	$18 + 3 = 6$
$9 \times 3 = 27$	$21 + 3 = 7$
$10 \times 3 = 30$	$24 + 3 = 8$
$11 \times 3 = 33$	$27 + 3 = 9$
$12 \times 3 = 36$	$30 + 3 = 10$
	$33 + 3 = 11$
	$36 + 3 = 12$

4 x Tables

$1 \times 4 = 4$	
$2 \times 4 = 8$	
$3 \times 4 = 12$	$4 + 4 = 1$
$4 \times 4 = 16$	$8 + 4 = 2$
$5 \times 4 = 20$	$12 + 4 = 3$
$6 \times 4 = 24$	$16 + 4 = 4$
$7 \times 4 = 28$	$20 + 4 = 5$
$8 \times 4 = 32$	$24 + 4 = 6$
$9 \times 4 = 36$	$28 + 4 = 7$
$10 \times 4 = 40$	$32 + 4 = 8$
$11 \times 4 = 44$	$36 + 4 = 9$
$12 \times 4 = 48$	$40 + 4 = 10$
	$44 + 4 = 11$
	$48 + 4 = 12$

8 x Tables

$1 \times 8 = 8$	
$2 \times 8 = 16$	
$3 \times 8 = 24$	$8 + 8 = 1$
$4 \times 8 = 32$	$16 + 8 = 2$
$5 \times 8 = 40$	$24 + 8 = 3$
$6 \times 8 = 48$	$32 + 8 = 4$
$7 \times 8 = 56$	$40 + 8 = 5$
$8 \times 8 = 64$	$48 + 8 = 6$
$9 \times 8 = 72$	$56 + 8 = 7$
$10 \times 8 = 80$	$64 + 8 = 8$
$11 \times 8 = 88$	$72 + 8 = 9$
$12 \times 8 = 96$	$80 + 8 = 10$
	$88 + 8 = 11$
	$96 + 8 = 12$

Key Vocabulary

times tables
multiply by
divide by
array
fact families
regrouping

Write and Calculate Mathematical Statements

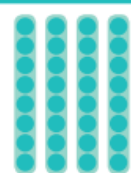
$$4 \times 8 = 32$$

$$32 \div 8 = 4$$



$$8 \times 4 = 32$$

$$32 \div 4 = 8$$



$$5 \times 3 = 15$$

$$15 \div 3 = 5$$



$$3 \times 5 = 15$$

$$15 \div 5 = 3$$



Related Calculations

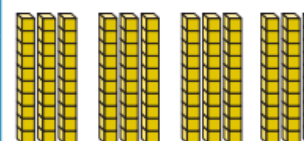
$$3 \times 4 = 12$$



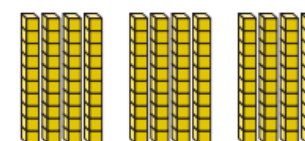
$$4 \times 3 = 12$$



$$30 \times 4 = 120$$

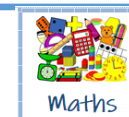


$$40 \times 3 = 120$$





Year 3 Maths - Multiplication and Division



Written Multiplication Methods - No Regrouping

Tens	Ones

$$23 \times 3 = 69$$

	T	O
	2	3
x		3
	6	9

Written Multiplication Methods - With Regrouping

Tens	Ones

←

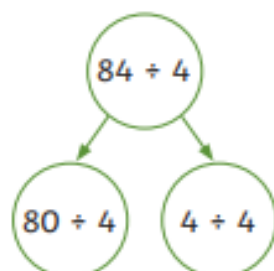
$$24 \times 4 = 96$$

	T	O
	2	4
x		4
	9	6
	1	

Written Division Methods - No Regrouping

Tens	Ones

	2	1
4	8	4



Written Division Methods - With Regrouping

Tens	Ones

→

	1	5
3	4	5

