

Year 3 Multiplication and Division

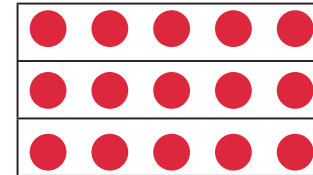
product
multiply array
repeated addition **X** times
times by
groups of
sets of lots of

equally grouped
half halves
divided by
shared by
equally shared

Repeated Addition

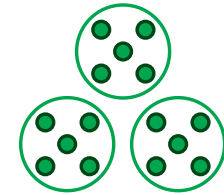
$$5 + 5 + 5 = 15$$

Array



$$5 \times 3 = 15$$

Equal Groups



$$5 \times 3 = 15$$

×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

3

$3 \times 1 = 3$

$3 \div 3 = 1$

$3 \times 2 = 6$

$6 \div 3 = 2$

$3 \times 3 = 9$

$9 \div 3 = 3$

$3 \times 4 = 12$

$12 \div 3 = 4$

$3 \times 5 = 15$

$15 \div 3 = 5$

$3 \times 6 = 18$

$18 \div 3 = 6$

$3 \times 7 = 21$

$21 \div 3 = 7$

$3 \times 8 = 24$

$24 \div 3 = 8$

$3 \times 9 = 27$

$27 \div 3 = 9$

$3 \times 10 = 30$

$30 \div 3 = 10$

$3 \times 11 = 33$

$33 \div 3 = 11$

$3 \times 12 = 36$

$36 \div 3 = 12$

4

$4 \times 1 = 4$

$4 \div 4 = 1$

$4 \times 2 = 8$

$8 \div 4 = 2$

$4 \times 3 = 12$

$12 \div 4 = 3$

$4 \times 4 = 16$

$16 \div 4 = 4$

$4 \times 5 = 20$

$20 \div 4 = 5$

$4 \times 6 = 24$

$24 \div 4 = 6$

$4 \times 7 = 28$

$28 \div 4 = 7$

$4 \times 8 = 32$

$32 \div 4 = 8$

$4 \times 9 = 36$

$36 \div 4 = 9$

$4 \times 10 = 40$

$40 \div 4 = 10$

$4 \times 11 = 44$

$44 \div 4 = 11$

$4 \times 12 = 48$

$48 \div 4 = 12$

8

$8 \times 1 = 8$

$8 \div 8 = 1$

$8 \times 2 = 16$

$16 \div 8 = 2$

$8 \times 3 = 24$

$24 \div 8 = 3$

$8 \times 4 = 32$

$32 \div 8 = 4$

$8 \times 5 = 40$

$40 \div 8 = 5$

$8 \times 6 = 48$

$48 \div 8 = 6$

$8 \times 7 = 56$

$56 \div 8 = 7$

$8 \times 8 = 64$

$64 \div 8 = 8$

$8 \times 9 = 72$

$72 \div 8 = 9$

$8 \times 10 = 80$

$80 \div 8 = 10$

$8 \times 11 = 88$

$88 \div 8 = 11$

$8 \times 12 = 96$

$96 \div 8 = 12$