

Year 3

Maths Resources



Fractions

One Whole

$\frac{1}{2}$ $\frac{1}{2}$

$\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$

$\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$

$\frac{1}{5}$ $\frac{1}{5}$ $\frac{1}{5}$ $\frac{1}{5}$ $\frac{1}{5}$

$\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$

$\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$

$\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$

$\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$



Multiplication & Division Facts

2

$1 \times 2 = 2$ $2 \div 2 = 1$
 $2 \times 2 = 4$ $4 \div 2 = 2$
 $3 \times 2 = 6$ $6 \div 2 = 3$
 $4 \times 2 = 8$ $8 \div 2 = 4$
 $5 \times 2 = 10$ $10 \div 2 = 5$
 $6 \times 2 = 12$ $12 \div 2 = 6$
 $7 \times 2 = 14$ $14 \div 2 = 7$
 $8 \times 2 = 16$ $16 \div 2 = 8$
 $9 \times 2 = 18$ $18 \div 2 = 9$
 $10 \times 2 = 20$ $20 \div 2 = 10$
 $11 \times 2 = 22$ $22 \div 2 = 11$
 $12 \times 2 = 24$ $24 \div 2 = 12$

3

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

4

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

5

$1 \times 5 = 5$ $5 \div 5 = 1$
 $2 \times 5 = 10$ $10 \div 5 = 2$
 $3 \times 5 = 15$ $15 \div 5 = 3$
 $4 \times 5 = 20$ $20 \div 5 = 4$
 $5 \times 5 = 25$ $25 \div 5 = 5$
 $6 \times 5 = 30$ $30 \div 5 = 6$
 $7 \times 5 = 35$ $35 \div 5 = 7$
 $8 \times 5 = 40$ $40 \div 5 = 8$
 $9 \times 5 = 45$ $45 \div 5 = 9$
 $10 \times 5 = 50$ $50 \div 5 = 10$
 $11 \times 5 = 55$ $55 \div 5 = 11$
 $12 \times 5 = 60$ $60 \div 5 = 12$

6

$1 \times 6 = 6$ $6 \div 6 = 1$
 $2 \times 6 = 12$ $12 \div 6 = 2$
 $3 \times 6 = 18$ $18 \div 6 = 3$
 $4 \times 6 = 24$ $24 \div 6 = 4$
 $5 \times 6 = 30$ $30 \div 6 = 5$
 $6 \times 6 = 36$ $36 \div 6 = 6$
 $7 \times 6 = 42$ $42 \div 6 = 7$
 $8 \times 6 = 48$ $48 \div 6 = 8$
 $9 \times 6 = 54$ $54 \div 6 = 9$
 $10 \times 6 = 60$ $60 \div 6 = 10$
 $11 \times 6 = 66$ $66 \div 6 = 11$
 $12 \times 6 = 72$ $72 \div 6 = 12$

7

$1 \times 7 = 7$ $7 \div 7 = 1$
 $2 \times 7 = 14$ $14 \div 7 = 2$
 $3 \times 7 = 21$ $21 \div 7 = 3$
 $4 \times 7 = 28$ $28 \div 7 = 4$
 $5 \times 7 = 35$ $35 \div 7 = 5$
 $6 \times 7 = 42$ $42 \div 7 = 6$
 $7 \times 7 = 49$ $49 \div 7 = 7$
 $8 \times 7 = 56$ $56 \div 7 = 8$
 $9 \times 7 = 63$ $63 \div 7 = 9$
 $10 \times 7 = 70$ $70 \div 7 = 10$
 $11 \times 7 = 77$ $77 \div 7 = 11$
 $12 \times 7 = 84$ $84 \div 7 = 12$

8

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

9

$1 \times 9 = 9$ $9 \div 9 = 1$
 $2 \times 9 = 18$ $18 \div 9 = 2$
 $3 \times 9 = 27$ $27 \div 9 = 3$
 $4 \times 9 = 36$ $36 \div 9 = 4$
 $5 \times 9 = 45$ $45 \div 9 = 5$
 $6 \times 9 = 54$ $54 \div 9 = 6$
 $7 \times 9 = 63$ $63 \div 9 = 7$
 $8 \times 9 = 72$ $72 \div 9 = 8$
 $9 \times 9 = 81$ $81 \div 9 = 9$
 $10 \times 9 = 90$ $90 \div 9 = 10$
 $11 \times 9 = 99$ $99 \div 9 = 11$
 $12 \times 9 = 108$ $108 \div 9 = 12$

10

$1 \times 10 = 10$ $10 \div 10 = 1$
 $2 \times 10 = 20$ $20 \div 10 = 2$
 $3 \times 10 = 30$ $30 \div 10 = 3$
 $4 \times 10 = 40$ $40 \div 10 = 4$
 $5 \times 10 = 50$ $50 \div 10 = 5$
 $6 \times 10 = 60$ $60 \div 10 = 6$
 $7 \times 10 = 70$ $70 \div 10 = 7$
 $8 \times 10 = 80$ $80 \div 10 = 8$
 $9 \times 10 = 90$ $90 \div 10 = 9$
 $10 \times 10 = 100$ $100 \div 10 = 10$
 $11 \times 10 = 110$ $110 \div 10 = 11$
 $12 \times 10 = 120$ $120 \div 10 = 12$

11

$1 \times 11 = 11$ $11 \div 11 = 1$
 $2 \times 11 = 22$ $22 \div 11 = 2$
 $3 \times 11 = 33$ $33 \div 11 = 3$
 $4 \times 11 = 44$ $44 \div 11 = 4$
 $5 \times 11 = 55$ $55 \div 11 = 5$
 $6 \times 11 = 66$ $66 \div 11 = 6$
 $7 \times 11 = 77$ $77 \div 11 = 7$
 $8 \times 11 = 88$ $88 \div 11 = 8$
 $9 \times 11 = 99$ $99 \div 11 = 9$
 $10 \times 11 = 110$ $110 \div 11 = 10$
 $11 \times 11 = 121$ $121 \div 11 = 11$
 $12 \times 11 = 132$ $132 \div 11 = 12$

12

$1 \times 12 = 12$ $12 \div 12 = 1$
 $2 \times 12 = 24$ $24 \div 12 = 2$
 $3 \times 12 = 36$ $36 \div 12 = 3$
 $4 \times 12 = 48$ $48 \div 12 = 4$
 $5 \times 12 = 60$ $60 \div 12 = 5$
 $6 \times 12 = 72$ $72 \div 12 = 6$
 $7 \times 12 = 84$ $84 \div 12 = 7$
 $8 \times 12 = 96$ $96 \div 12 = 8$
 $9 \times 12 = 108$ $108 \div 12 = 9$
 $10 \times 12 = 120$ $120 \div 12 = 10$
 $11 \times 12 = 132$ $132 \div 12 = 11$
 $12 \times 12 = 144$ $144 \div 12 = 12$

Multiplication Chart

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

Ten
Thousands

Thousands

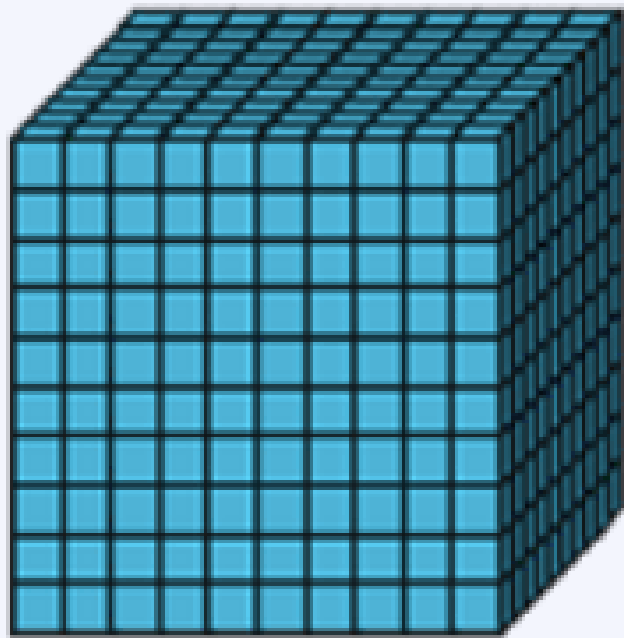
Hundreds

Tens

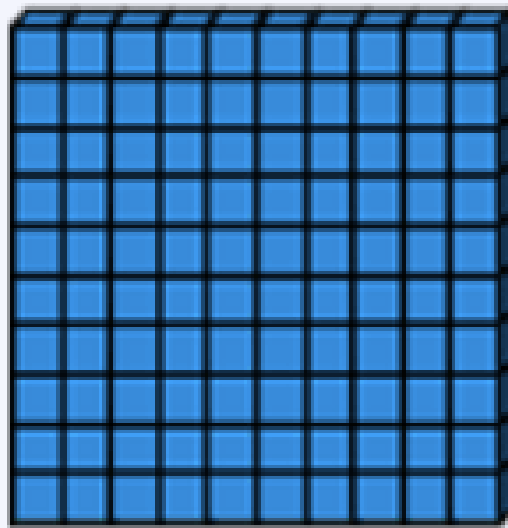
Ones



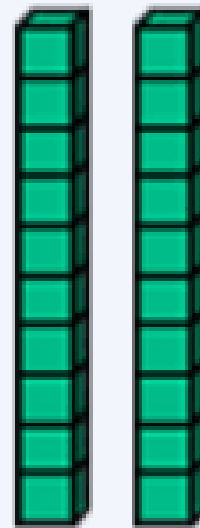
Dienes Blocks



Thousands



Hundreds



Tens



Ones