

Year 4– Number facts you can support your child to learn at home.

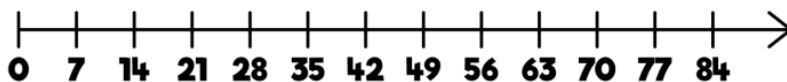
Counting:

- Count on/back fluently in multiples of 3, 6, 7, 9, 11, 12, 25 and 1000



7	14	21	28	35
42	49	56	63	70

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



Addition and Subtraction:

- Apply place-value knowledge to known additive number facts (scaling facts by 100)

$$8 + 6 = 14 \text{ and } 14 - 6 = 8$$

so

$$800 + 600 = 1,400 \text{ and } 1,400 - 600 = 800$$

Multiplication and Division:

- Recall multiplication and division facts up to 12 x 12. Specific focus on the 36 facts needed for formal multiplication. (shaded)

1 × 1	1 × 2	1 × 3	1 × 4	1 × 5	1 × 6	1 × 7	1 × 8	1 × 9	1 × 10	1 × 11	1 × 12
2 × 1	2 × 2	2 × 3	2 × 4	2 × 5	2 × 6	2 × 7	2 × 8	2 × 9	2 × 10	2 × 11	2 × 12
3 × 1	3 × 2	3 × 3	3 × 4	3 × 5	3 × 6	3 × 7	3 × 8	3 × 9	3 × 10	3 × 11	3 × 12
4 × 1	4 × 2	4 × 3	4 × 4	4 × 5	4 × 6	4 × 7	4 × 8	4 × 9	4 × 10	4 × 11	4 × 12
5 × 1	5 × 2	5 × 3	5 × 4	5 × 5	5 × 6	5 × 7	5 × 8	5 × 9	5 × 10	5 × 11	5 × 12
6 × 1	6 × 2	6 × 3	6 × 4	6 × 5	6 × 6	6 × 7	6 × 8	6 × 9	6 × 10	6 × 11	6 × 12
7 × 1	7 × 2	7 × 3	7 × 4	7 × 5	7 × 6	7 × 7	7 × 8	7 × 9	7 × 10	7 × 11	7 × 12
8 × 1	8 × 2	8 × 3	8 × 4	8 × 5	8 × 6	8 × 7	8 × 8	8 × 9	8 × 10	8 × 11	8 × 12
9 × 1	9 × 2	9 × 3	9 × 4	9 × 5	9 × 6	9 × 7	9 × 8	9 × 9	9 × 10	9 × 11	9 × 12
10 × 1	10 × 2	10 × 3	10 × 4	10 × 5	10 × 6	10 × 7	10 × 8	10 × 9	10 × 10	10 × 11	10 × 12
11 × 1	11 × 2	11 × 3	11 × 4	11 × 5	11 × 6	11 × 7	11 × 8	11 × 9	11 × 10	11 × 11	11 × 12
12 × 1	12 × 2	12 × 3	12 × 4	12 × 5	12 × 6	12 × 7	12 × 8	12 × 9	12 × 10	12 × 11	12 × 12

- $8 \times 9 = \square$ $\square = 3 \times 12$ $6 \times 6 = \square$
(identify products)
- $\square \times 5 = 45$ $8 \times \square = 48$ $121 = \square \times 11$
(solve missing-factor problems)
- $35 \div 7 = \square$ $\square = 63 \div 9$
(use relevant multiplication table facts to solve division problems)

- **Apply place-value knowledge to known multiplicative number facts (scaling facts by 100)**

$$3 \times 4 = 12 \text{ and } 12 \div 4 = 3$$

SO

$$300 \times 4 = 1,200 \text{ and } 1,200 \div 4 = 300$$

How to help at home

1. Find the negative!

Look for negative numbers to discuss with your child. For example, thermometers, weather reports, storage temperatures on frozen food packets, elevation of places below sea level, goal differences in sports league tables, below-ground floors in lifts, losing points in video games.

2. Play times tables games

Make two sets of number cards 1–12. Shuffle and place them face down in two piles. Take a number from each pile and multiply them together. Score a point for each correct answer. The first to 10 points wins.

3. Round at the shops

Practise rounding decimals with one decimal place to the nearest whole number when shopping. Challenge your child to round prices to the nearest pound. For example, an item costing £4.70 would be £5 to the nearest pound.