Multiplication and division connections

Algebra · VC2M4A02

Rows skip count. Swap factors: same product. No calculator.

×	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

☆ Read a fact family

Swap factors: 6 × 8 = 8 × 6 = 48.

48 ÷ 6 = 8; 48 ÷ 8 = 6: division undoes ×.

☆ Build and extend facts

9 × 6 = (10 × 6) − 6 = 54.

6 × 80 = 480; the related fact is 480 ÷ 6 = 80.

☆ Partition larger numbers

23 × 4 = (20 × 4) + (3 × 4) = 80 + 12 = 92.

3 × 75 = (3 × 70) + (3 × 5) = 225.

☆ Find missing factors and numbers

3 × □ = 21: □ = 7. 54 ÷ □ = 9: □ = 6.

□ ÷ 6 = 8: □ = 8 × 6 = 48.

Remember...

Practise all table facts and inverse divisions in mixed order.

× 0 gives zero; × 1 and ÷ 1 keep the number.