4. [÷ Whole Numbers 1 to 10]

Skill 4.1 Dividing by whole numbers from 1 to 10 using a multiplication table.

MM5 1 1 2 2 3 3 4 4
MM6 1 1 2 2 3 3 4 4

Division forms patterns.

Division and multiplication are inverse operations.
(Division undoes multiplication)

Example: If $7 \times 8 = 8 \times 7 = 56$
then $56 \div 8 = 7$
or $56 \div 7 = 8$

×	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

Q.

	56	7	14	35	21	42	28	49	70	63
÷ 7										

A.

	56	7	14	35	21	42	28	49	70	63
÷ 7	8	1	2	5	3	6	4	7	10	9

$56 \div 7 = ?$ How many 7's go into 56?
Reword the division by turning it into a multiplication.
Ask: '7 multiplied by what number makes 56?' $(7 \times ? = 56)$
Answer: Using the multiplication table
$7 \times 8 = 56$
So $56 \div 7 = 8$

a)

	28	20	8	4	16	12	36	24	32	40
÷ 4	7									

b)

	80	8	56	24	48	32	72	40	16	64
÷ 8	10									

c)

	12	18	60	42	30	36	24	48	6	54
÷ 6	2									

Skill 4.2 Dividing by whole numbers from 1 to 10 using subtraction.

Division is the same as repeated subtractions.

Example: $56 \div 7 = ?$ How many 7's go into 56?
OR If you have 56, how many times can you take away 7?

$56 - \underbrace{7 - 7 - 7 - 7 - 7 - 7 - 7 - 7}_{8 \text{ times}} = 0$

If you have 56 you can take 7 away, 8 times.
So, $56 \div 7 = 8$

Q.

	21	6	12	30	24	3	18	27	9	15
÷ 3										

A.

	21	6	12	30	24	3	18	27	9	15
÷ 3	7	2	4	10	8	1	6	9	3	5

How many 3's go into 21?
Reword the division by turning it into a subtraction.

Ask: 'If you have 21, how many times can you take away 3?'

$21 - \underbrace{3 - 3 - 3 - 3 - 3 - 3 - 3}_{7 \text{ times}} = 0$

Answer: If you have 21 you can take 3 away, 7 times. So, $21 \div 3 = 7$

a)

	16	2	6	20	12	4	14	18	10	8
÷ 2	8									

16 ÷ 2
⇒ 16 – 2 – 2 – 2 – 2 – 2 – 2 – 2 – 2 = 0 *Take 2 away 8 times.*
So 16 ÷ 2 = ***8***

b)

	18	54	63	27	9	36	90	72	45	81
÷ 9	2									

c)

	15	40	25	35	50	5	30	45	20	10
÷ 5	3									

d)

	56	70	14	35	21	49	7	28	42	63
÷ 7	8									