

4. [\div Whole Numbers to 10]

Skill 4.1 Dividing by whole numbers from 1 to 10.

MM7 11 22 33 44
MM8 11 22 33 44

Q.

	42	60	48	12	54	6	24	30	36	18
$\div 6$										

In this table, divide each of the numbers in the top row by 6. Write the results in the empty spaces under each number.

A.

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

MULTIPLICATION TABLE

\times	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

Use a multiplication table

How many 6's go into 42?

Reword the division by turning it into a multiplication.

What number multiplied by 6 gives 42?

$$6 \times ? = 42$$

From the multiplication table: $6 \times 7 = 42$

$$\text{So } 42 \div 6 = 7$$

a)

	4	18	16	8	14	6	12	10	20	2
$\div 2$	2	9								

b)

	25	30	15	40	50	5	10	45	35	20
$\div 5$	5									

c)

	21	70	14	42	49	28	56	7	35	63
$\div 7$										

d)

	9	3	21	30	18	27	6	15	12	24
$\div 3$										

e)

	45	63	27	54	36	18	90	81	72	9
$\div 9$										

Q.

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

In this table, divide each of the numbers in the top row by 5. Write the results in the empty spaces under each number.

A.

	-30	35	-45	50	10	-40	25	-15	-5	20
÷ 5	-6	7	-9	10	2	-8	5	-3	-1	4

MULTIPLICATION TABLE

×	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

Use a multiplication table

$-30 \div 5$: How many 5's go into negative 30?

Reword the division by turning it into a multiplication.

What number multiplied by 5 gives negative 30?

$$5 \times ? = -30$$

To find the result of this multiplication, first ignore the signs. Move down the column from 5 until you reach 30. Follow 30 across the row to the left hand side column. This brings you to 6 and shows that the product of 5 and 6 is 30.

$$5 \times 6 = 6 \times 5 = 30$$

$$\text{So } 30 \div 5 = 6$$

Then learn and apply this rule:

When dividing a negative number by a positive number, the result is always negative.

$$-30 \div 5 = -6$$

a)

	4	-16	24	28	-12	-20	32	-8	-40	36
÷ 4	1	-4								

b)

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

c)

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

d)

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

e)

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