We use multiplication to solve division.

12 ÷ 4 asks us to work out how many groups of 4 are there in 12

To solve 12 ÷ 4 we need to ask the question 4 x __ = 12

4 x 3 = 12 so 12 ÷ 4 = 3 and 12 ÷ 3 = 4
If 4 x 3 =12 then 40 x 3 = 120 and 4 x 30 = 120
Then
12 ÷ 3 = 4 and 120 ÷ 3 = 40 and 120 ÷ 4 = 30
12 ÷ 4 = 3 and 120 ÷ 4 = 30 and 120 ÷ 3 = 40

X	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

7 x 8 = 56

56 ÷ 6 =

56 ÷ 7 =

60 x 8 = 480

480 ÷ 60 =

480 ÷ 80 =

280 ÷ 7 =

210 ÷ 3 =

560 ÷ 7

490 ÷ 7 =

70 x 60 = 4200

4200 ÷ 70 =

4200 ÷ 60 =

30 x 80 = 2400

2400 ÷80 =

50 x 70 = 3500

3500 ÷ 70 =

40 x 70 = 2800

280 ÷ 40 =

1236 ÷ 6 = 606

1200/6 + 36/6

600 + 6

1830 ÷ 6 =

_____/6 + ____/6

____ + ____

1428 ÷ 7 =

_____/7 + ____/7

____ + ____

3555 ÷ 5 =

_____/5 + ____/5

____ + ____

2142 ÷ 7 =

_____/7 + ____/7

____ + ____

DISTRIBUTIVE LAW of MULTIPLICATION

12 x 35

12 groups of 35 = (10 groups of 35) + (2 groups of 35)

12 x 35 =

(10 + 2) x 35 = 10 x 35 + 2 x 35

= 350 + 70

= 420

We can use the distributive law for DIVISION

420 ÷ 4 =

400 + 20

We can split the 420 into multiples of 4

420 ÷ 4 = 105

400÷4 + 20÷4

100 + 5

/ is another symbol for division

400 ÷ 4 = 400/4

LIVEWORKSHEETS