

Divide by 6

You can use a multiplication chart to divide by 6.

Find the missing factor and quotient.

$$6 \times \underline{\quad} = 42 \quad 42 \div 6 = \underline{\quad}$$

Use a multiplication chart to find the missing factor.

Find, $6 \times \underline{\quad} = 42$.

Find the 6s column.

Trace down the column until you reach 42.

Trace left across the row until you reach 7.

x	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12	18	24	30	36	42	48	54	60
7	0	7	14	21	28	35	42	49	56	63	70
8	0	8	16	24	32	40	48	56	64	72	80
9	0	9	18	27	36	45	54	63	72	81	90
10	0	10	20	30	40	50	60	70	80	90	100

7 is the factor you multiply 6 with to reach a product of 42.

$$\text{So, } 6 \times \underline{7} = 42.$$

Use this related multiplication sentence to find the missing quotient.

$$\text{Since, } 6 \times 7 = 42, \text{ then } 42 \div 6 = 7.$$

Examples:**A- Find each missing factor and quotient.**

1) $6 \times 5 = \underline{30}$

2) $6 \times 3 = \underline{18}$

3) $6 \times 8 = \underline{48}$

4) $6 \times 4 = \underline{24}$

5) $30 \div 6 = \underline{5}$

6) $18 \div 6 = \underline{3}$

B- Find the quotient.

7) $12 \div 6 = \underline{2}$

8) $\underline{3} = 6 \div 2$

9) $\underline{7} = 42 \div 6$

10) $15 \div 5 = \underline{3}$

11) $\underline{10} = 60 \div 6$

12) $20 \div 4 = \underline{5}$

My Real Life

Maher needs to buy 42 bottles of water for a picnic. The bottles come in packages of 6. How many packages of water does Maher need to buy?



$$\underline{42 \div 6 = 7 \text{ packages}}$$