

## The connection between multiplication and division.

Multiplication and division are very closely related. They are reverse operations and both have to do with groups of equal size. You could say division is "backwards" multiplication. We get both a multiplication fact and a division fact from the same picture: Two groups of 6 makes 12.  $2 \times 6 = 12$ 



Make groups. Then write the division and multiplication facts that the pictures illustrate.

**b.** Make groups of two. 🏻 🚔 **a.** Make groups of four. × 4 = 8 \_\_\_\_\_×2=\_\_\_\_ C 8 ÷ 4 = ÷ 2 = \_\_\_\_\_ **d.** Make groups of six. **c.** Make groups of four. × 4 = × 6 = ÷ 6 = ÷ 4 =



6

Fill missing numbers in multiplication-division table.

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

Use multiplication-division table to calculate:

5 × 9 =	27 ÷9 =	7 × 2 =	63 ÷ 7 =
56 ÷ 8 =	18 ÷3 =	6 × 4 =	3 × 3 =
3 × 5 =	32 ÷ 4 =	9 × 6 =	49 ÷ 7 =

 7
 What would be the best strategy to count cells in each of the shapes below?

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## Coordinates.

On maps and graphs, it is common to have a pair of numbers to show where a point is: the first number shows the distance along the horizontal direction from the zero point and the second number shows the distance along the vertical direction from the same zero point.

8 Compare the coordinates of points **A** and **B**. Find coordinates of the other objects.



13