MULTIPLICATION FOR 2s TO 12s

Dig1t games ®

PRODUCT SEARCH

4	36	15	8	2	3	5	4
7	18	4	2	4	6	3	25
9	8	2	11	2	2	2	6
2	14	3	2	3	2	2	6
20	3	4	2	4	2	7	4
5	2	2	5	12	2	2	3
4	2	6	10	11	9	4	21
5	24	20	10	3	4	7	12

Find pairs of numbers in the grid (horizontally, vertically or diagonally) that multiply together to make any of the following products:

42	44	56	60	84
99	100	120	132	144

Make a list of the pairs you find.

Find groups of 3 numbers in the grid that have a product from the list above. Write out the groups you find as number sentences e.g. **2 x 4 x 2 = 16.**

Find groups of 4 numbers in the grid that multiply together to make any of the following products:
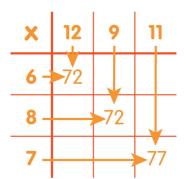
56	60	84	100
120	132	144	

Write out the groups you find as number sentences.

Find groups of 5 numbers in the grid that multiply together to make **120** and **144**.
Find a group of 6 numbers in the gird that mutliply together to make **144.**

MULTIPLICATION GRIDS

In the multiplication grids below, multiply the numbers in the **first row** by the numbers in the **first column** and write the answers in the squares where the rows and columns meet - as shown by the arrows in the first grid.

X	12	9	11
6	72		
8		72	
7			77

In the left grid, the answers provided come from:
6 x 12 = 72
8 x 9 = 72
7 x 11 = 77
The grid on the right is a copy of the left hand grid for you to fill in.

X	12	9	11
6	72		
8		72	
7			77

Fill in the following multiplication grids:

X	12	7	8
6			
12			
9			

X	8	6	
4			
11		110	
		40	

X		11	
9	63		
		66	
	84		96

NUMBER SENTENCE SEARCH

12	x	3	=	36	x	96	=
x	1	x	12	÷	4	=	3
7	x	72	=	9	x	8	x
=	63	=	48	=	14	x	4
84	÷	7	÷	4	=	3	x
x	7	x	8	=	56	x	9
16	=	4^2	=	4	x	4	=
=	3^2	x	6	x	2	=	108

2 x 2 = 4 is an example of a number sentence. There are hidden multiplication and divsion sentences in this grid but not all of them are correct!

Find the correct multiplication and division sentences (horizontally or vertically) and draw around the ones that you find.

32 = 16 x 2 = 8 x 4 and **2 x 4 x 5 = 40** are more examples of number sentences. Draw around the correct number sentences that are like these in the grid.

NUMBER SENTENCE GRIDS

The grids below contain horizontal and vertical number sentences.
Complete each grid by filling in the empty squares so that every number sentence is correct.

4	x	3	=	
x		÷		x
8	x	1	=	
=		=		=
	x		=	

Fill in all the grids so that each vertical and horizontal number sentence is correct.
The grids get trickier and you will need to fill in some missing symbols (**x** or **÷**) in the last 2 grids.

	x	4	=	36
x		x		x
3	÷		=	
=		=		=
	x	4	=	

4	÷		=	
		x		x
	x	3	=	
=		=		=
24	x		=	72

7			=	28
x		÷		x
			=	3
=		=		=
21			=	