Ticket Times Tables

This is a gem of an idea we spotted a maths coordinator using with their Y3 class. It helps children to focus on developing their knowledge and understanding of multiplication tables. Like most of the best teaching ideas it's not reliant on rote-learning - instead it enhances children's understanding by encouraging them to think!

You present the children with a ticket containing a string of digts. The challenge is to 're-organise' the digits to make a multiplication (or division) number sentence (equation).

Here's an example:

The children work in pairs to discuss this and decide that it could be:

6 x 8 = 48

(you also accept 8 x 6 = 48, and the other alternatives 38 = 6 x 8 and 48 = 8 x 6, or 48 ÷ 8 = 6 or 48 ÷6 = 8)

The numbers on the tickets always appear in order. This can also be an interesting way to look at the multiplication facts., since some are 'in order' automatically, for example:

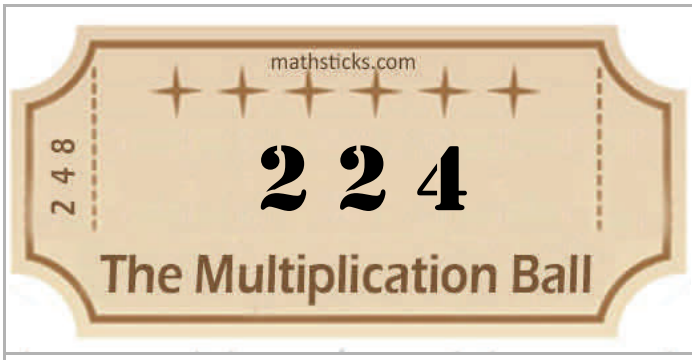
2 4 8 is **2x4=8**, and **1 1 8 8 8** is **11x8=88**

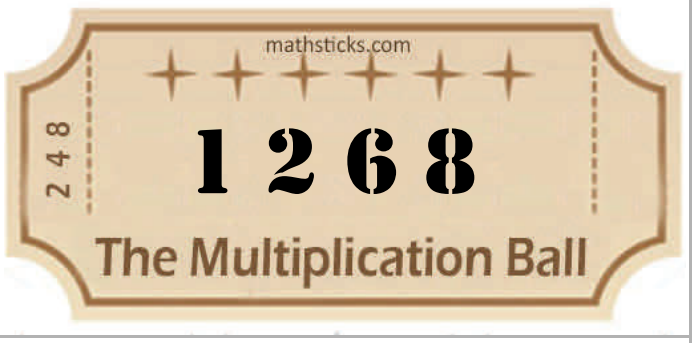
Other numbers just produce interesting patterns, like:

1 2 3 4 is **3x4=12** **5 6 7 8** is **7x8=56** **1 1 1 2 2 2 4 4** is **12x12=144**

This activity can be used as a 'Mental and Oral Starter' - or, it can become a group activity, or a homework task. Encourage the children to create their own 'ticket numbers' using a times table they are currently learning.

mathsticks+ members can access a similar resource for the 3x, 6x and 12x tables, together with the original MS Publisher file so the ticket numbers can be edited or adjusted.


mathsticks.com
2 4 8
2 2 4
The Multiplication Ball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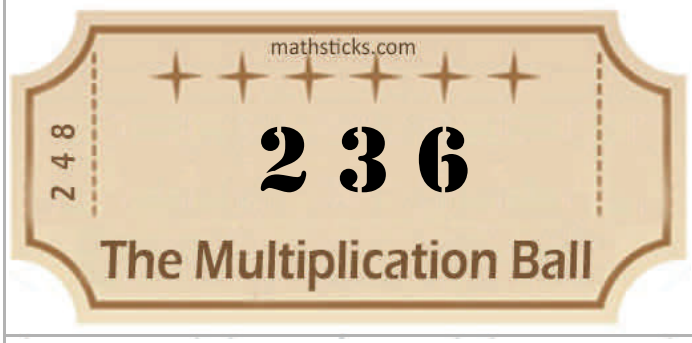
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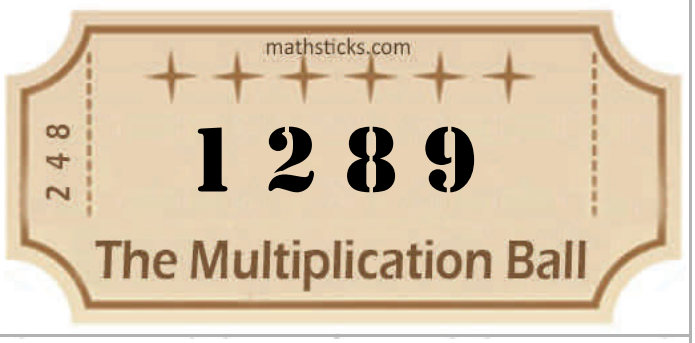
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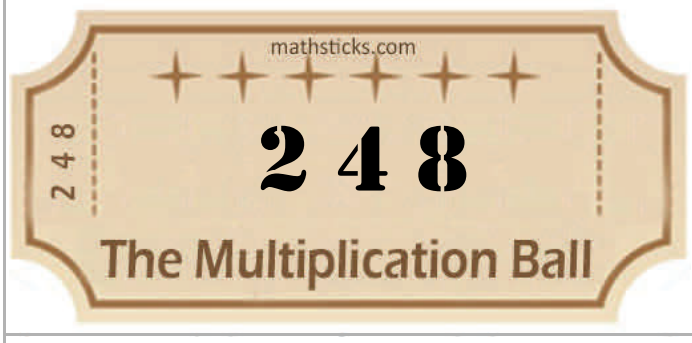
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2 4 8
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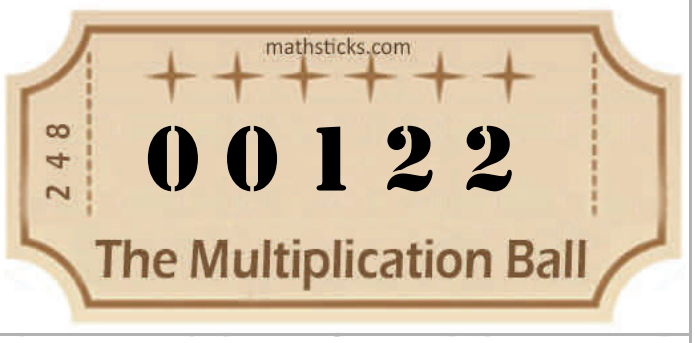
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0 0 1 2 2
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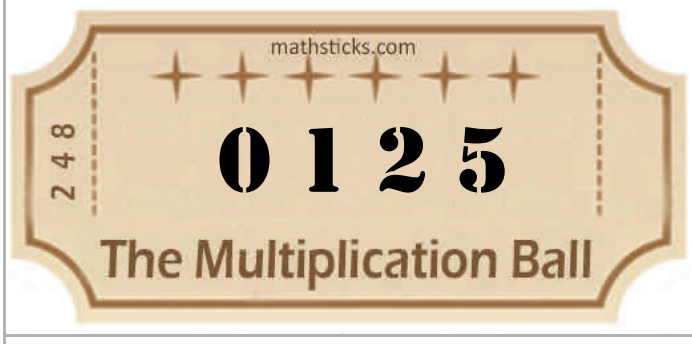
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0 1 2 5
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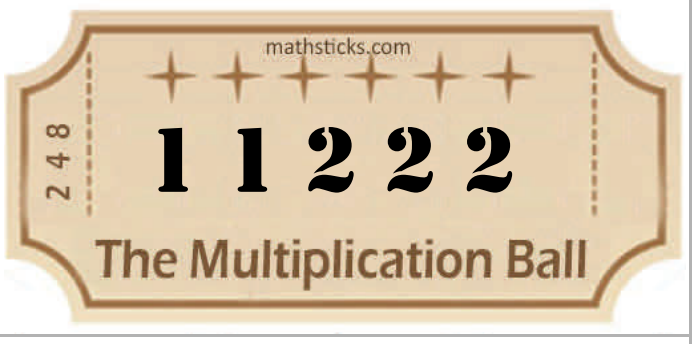
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1 1 2 2 2
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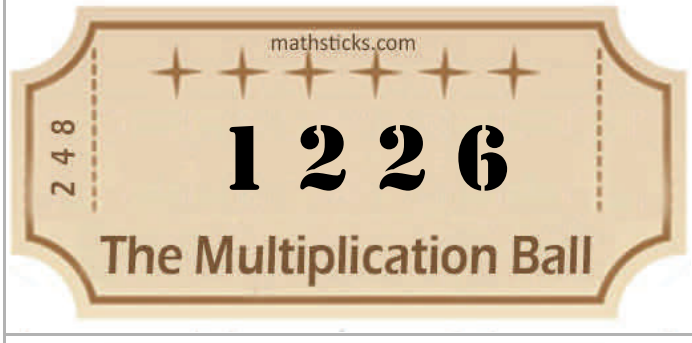
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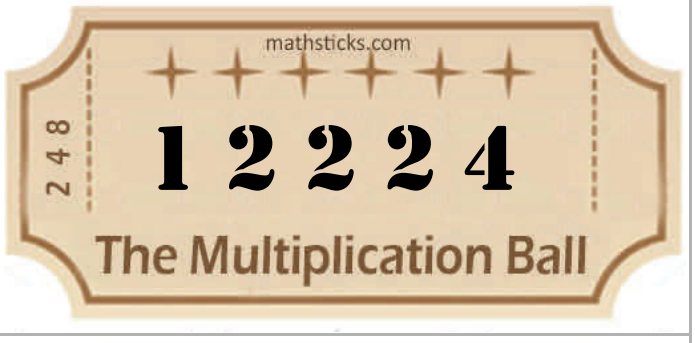
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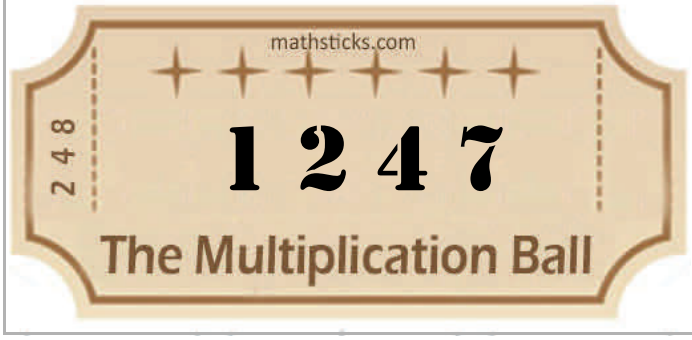
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1 2 4 7
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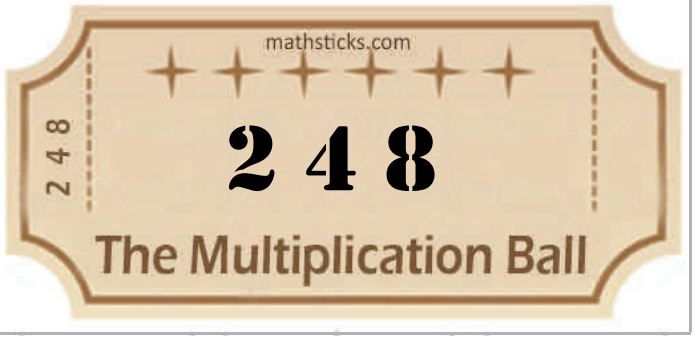
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2 4 8
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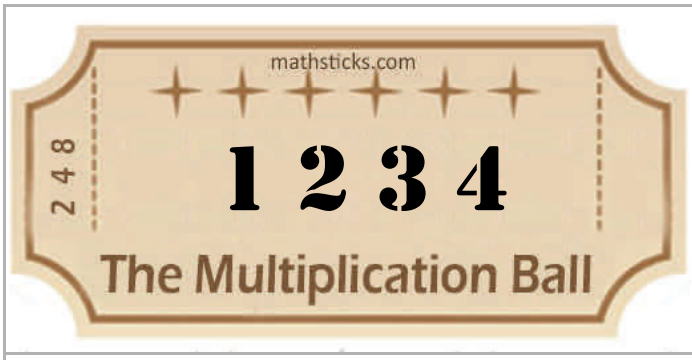
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1 2 3 4
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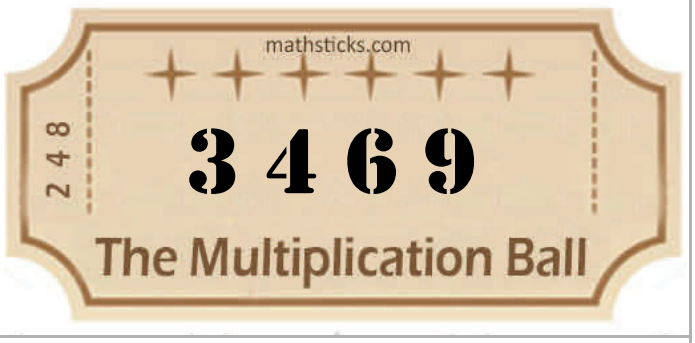
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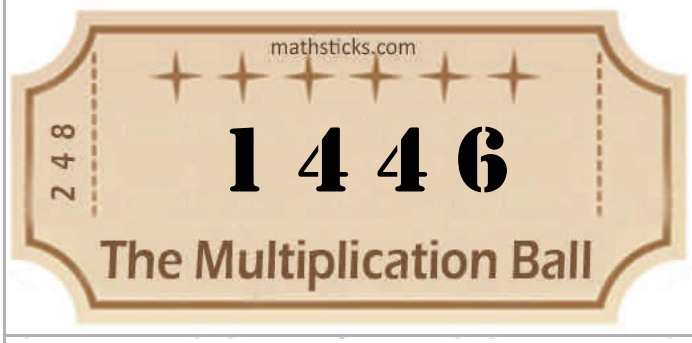
3 4 6 9
The Multiplication Ball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1 4 4 6
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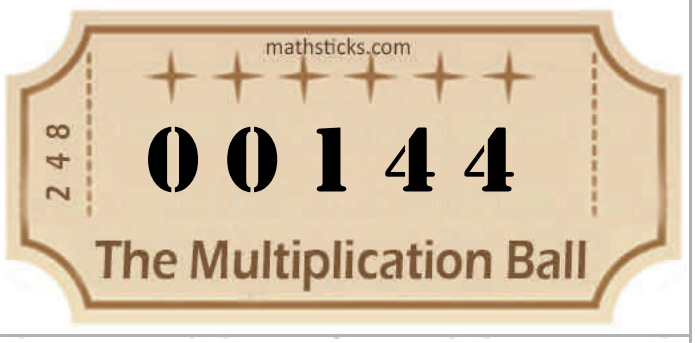
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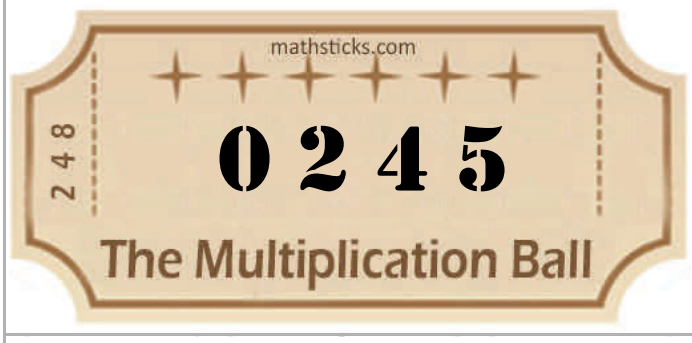
0 0 1 4 4
The Multiplication Ball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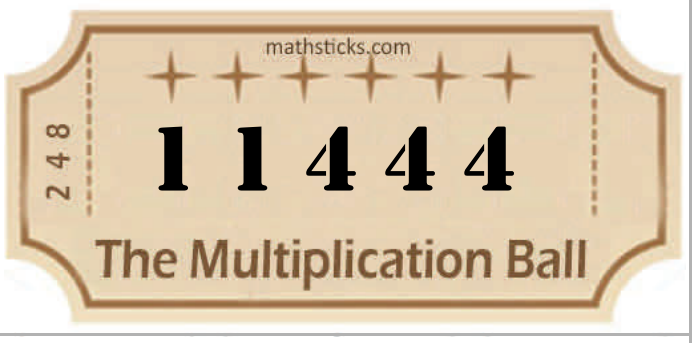
0 2 4 5
The Multiplication Ball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1 1 4 4 4
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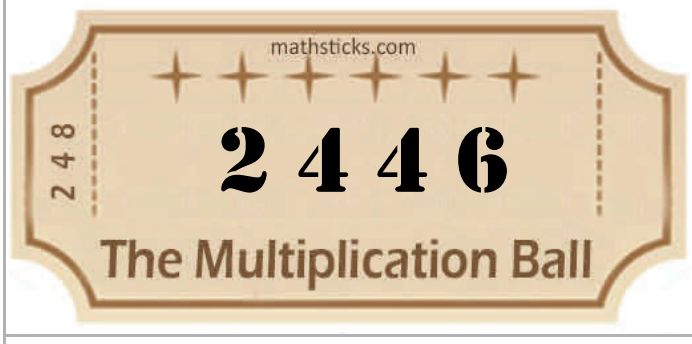
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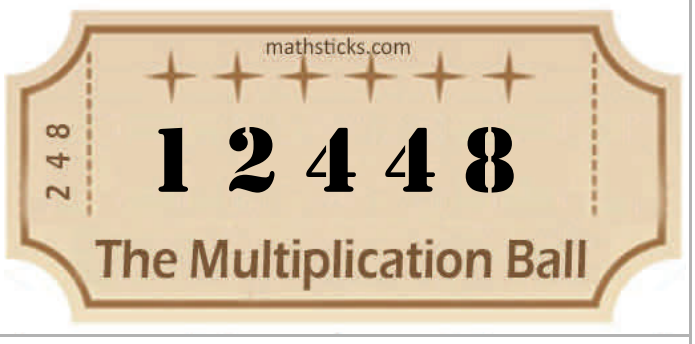
2 4 4 6
The Multiplication Ball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1 2 4 4 8
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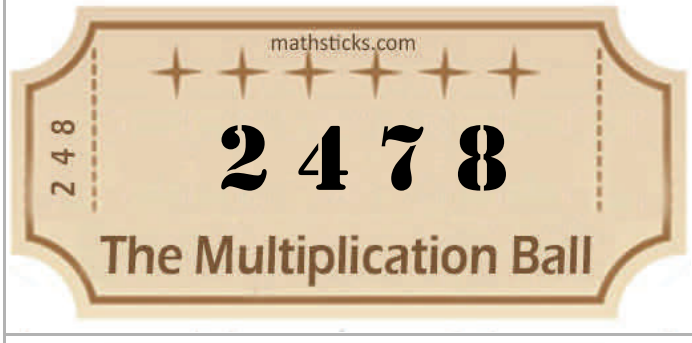
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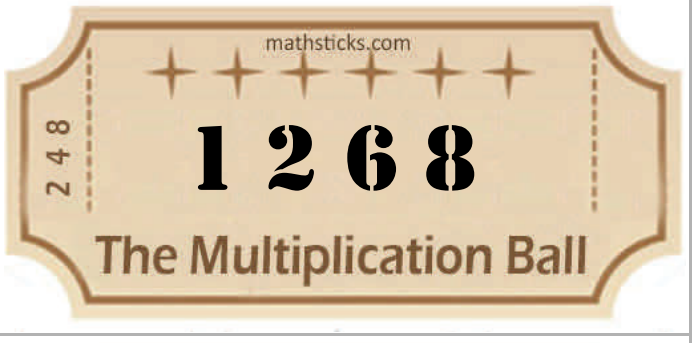
2 4 8
2 4 7 8
The Multiplication Ball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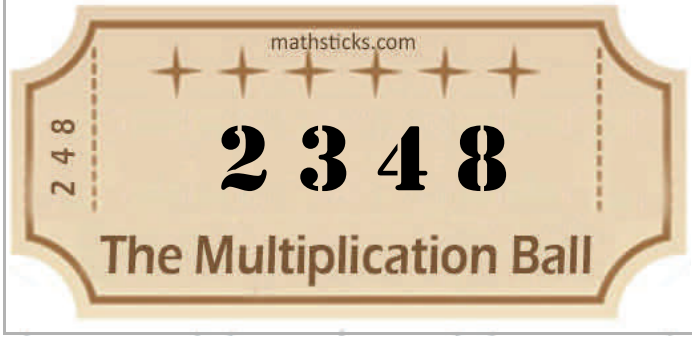
1 2 6 8
The Multiplication Ball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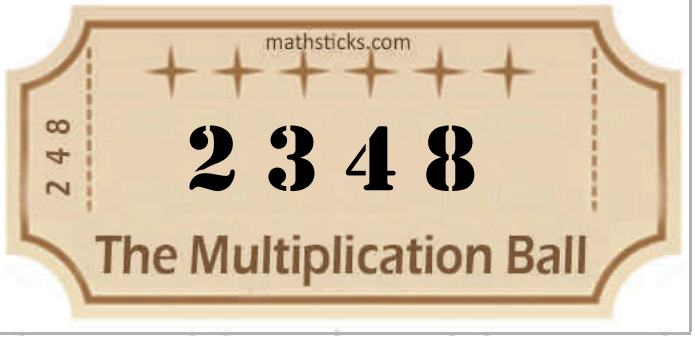
2 3 4 8
The Multiplication Ball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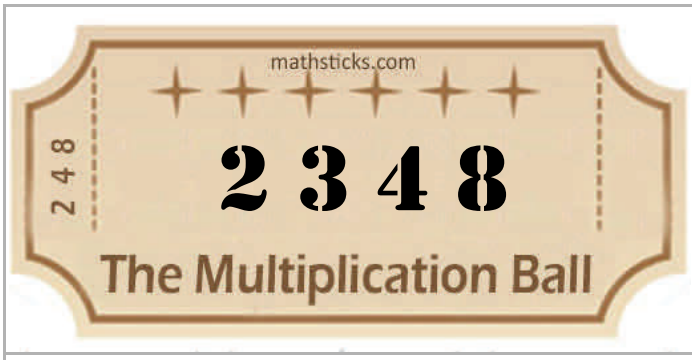
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2 3 4 8
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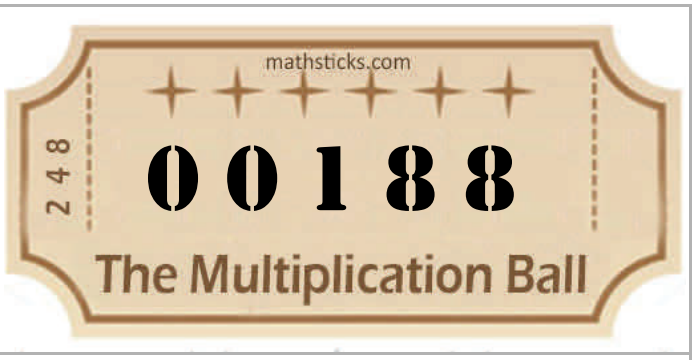
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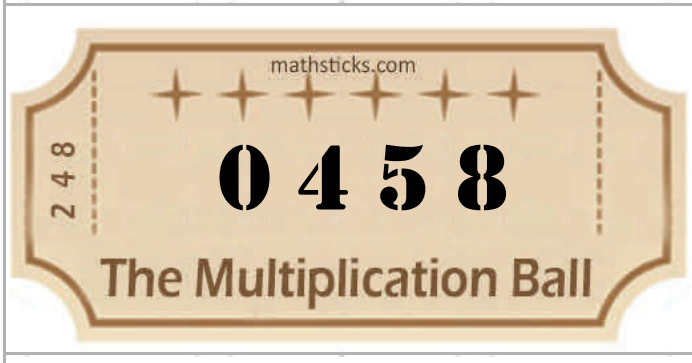
2 4 8
0 0 1 8 8
The Multiplication Ball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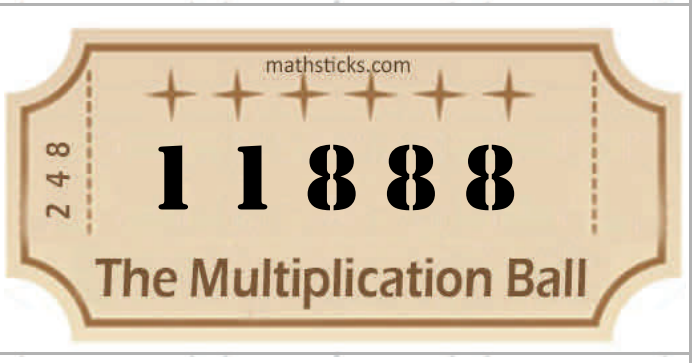
0 4 5 8
The Multiplication Ball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1 1 8 8 8
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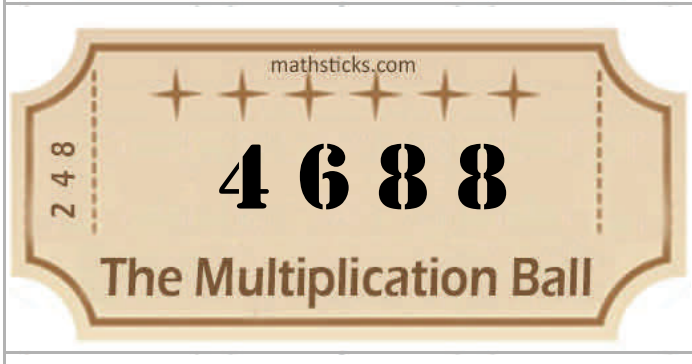
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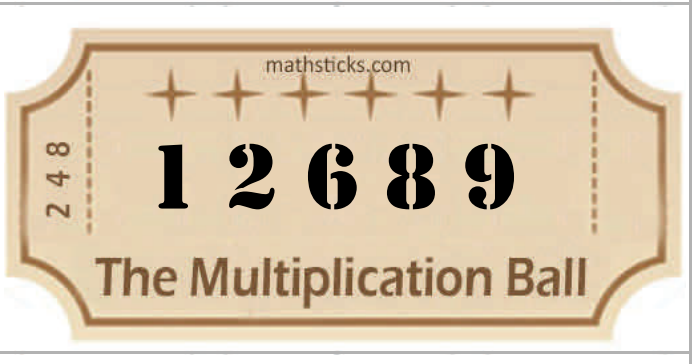
4 6 8 8
The Multiplication Ball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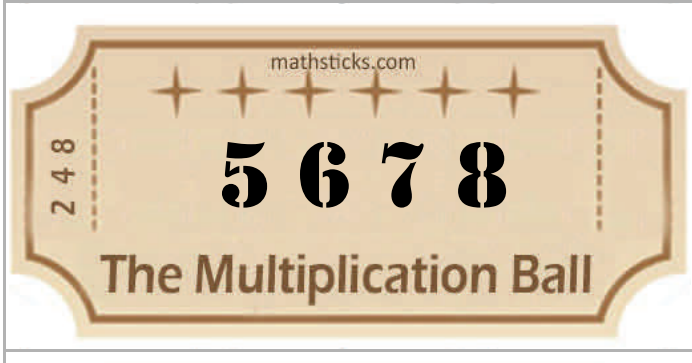
1 2 6 8 9
The Multiplication Ball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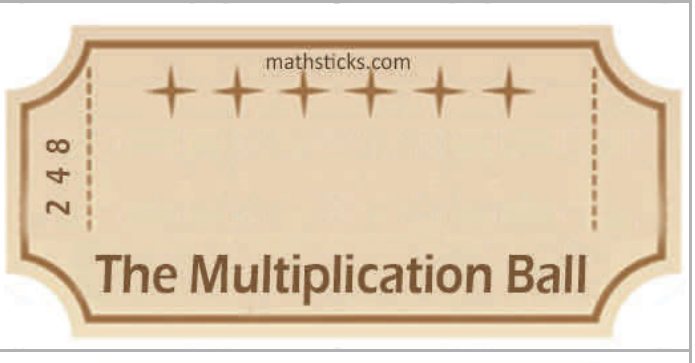
5 6 7 8
The Multiplication Ball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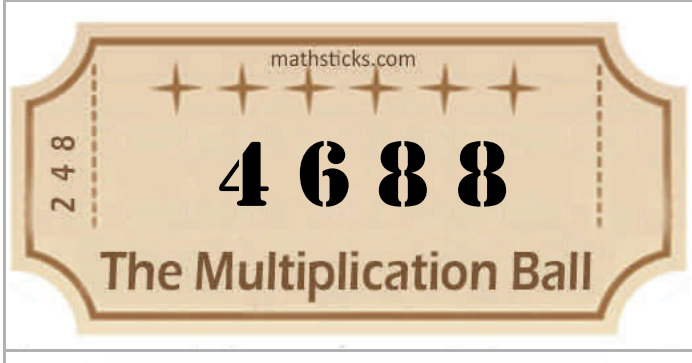
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4 6 8 8
The Multiplication Ball


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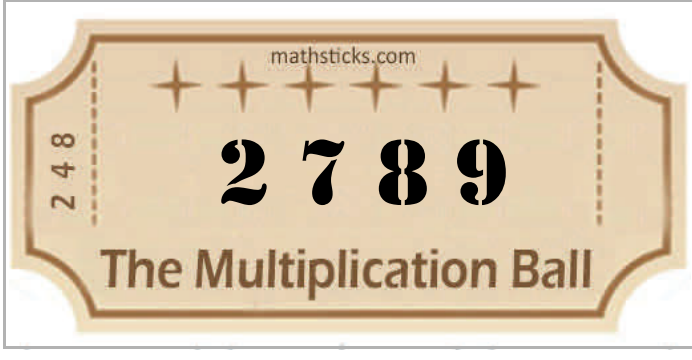
2 4 8
The Multiplication Ball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2 4 8
2 7 8 9
The Multiplication Ball


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2 4 8
The Multiplication Ball

Ticket Times Tables – 2x, 4x and 8x

Answers

2 2 4	2 x 2 = 4
2 3 6	3 x 2 = 6
2 4 8	4 x 2 = 8
0 1 2 5	5 x 2 = 10
1 2 2 6	6 x 2 = 12
1 2 4 7	7 x 2 = 14
1 2 6 8	8 x 2 = 16
1 2 8 9	9 x 2 = 18
0 0 1 2 2	10 x 2 = 20
1 1 2 2 2	11 x 2 = 22
1 2 2 2 4	12 x 2 = 24
2 4 8	2 x 4 = 8
1 2 3 4	3 x 4 = 12
1 6 4 4	4 x 4 = 16
0 2 4 5	5 x 4 = 20
2 4 4 6	6 x 4 = 24
2 4 7 8	7 x 4 = 28
2 3 4 8	8 x 4 = 32
3 4 6 9	9 x 4 = 36
0 0 1 4 4	10 x 4 = 40
1 1 4 4 4	11 x 4 = 44
1 2 4 4 8	12 x 4 = 48
1 2 6 8	2 x 8 = 16
2 3 4 8	3 x 8 = 24
2 3 4 8	4 x 8 = 32
0 4 5 8	5 x 8 = 40
4 6 8 8	6 x 8 = 48
5 6 7 8	7 x 8 = 56
4 6 8 8	8 x 8 = 64
2 7 8 9	9 x 8 = 72
0 0 1 8 8	10 x 8 = 80
1 1 8 8 8	11 x 8 = 88
1 2 6 8 9	12 x 8 = 96