

Year 3 – Cakes and Calculations

Number – multiplication and division

Statutory requirements

Pupils should be taught to:

- recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
- write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods
- solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.

Rapid 4 Times Tables:

1. Get two blank dice and a whiteboard pen.
2. Focusing on the 4-times tables, write the number '4' on every face of one of the blank dice.
3. On the other dice, write a different number from 1-12 on each of the faces.
4. Roll the two dice and multiply them together in your head.
5. Who can say the correct answer first? You get a point!
6. Winner = the first person to get ten points!

4 Times Tables Matching Game:

1. Cut out the cards from the 'Matching Game' sheet.
2. Place them face down on the table.
3. Taking it in turns, player 1 turns over two cards. If they are a match, they keep them. If they are not a match, they turn them back over. Player 2 then turns over two cards. If they are a match, they keep them. If they are not a match, they turn them back over.
4. Winner = the person with the most 'matches'.

Year 3 – Cakes and Calculations




Multiplying a 2-digit number by a 1-digit number:

1. Roll three 6-sided dice and place one in each of the **yellow** cells.
2. Multiply them together step by step.
3. Add up the ones column, tens column and hundreds column and place your answer in the **green** cells.

Example:

$$4 \times 2 = 8$$

$$4 \times 30 = 120$$

		
X		
		8
1	2	0
1	2	8

Online Times Tables Games:

<https://www.ictgames.com/mobilePage/funkyMummy/index.html>

<https://www.topmarks.co.uk/maths-games/hit-the-button>

Year 3 – Cakes and Calculations

4 Times Tables – Matching Game

4	8	12
16	20	24
28	32	36
40	44	48
$1 \times 4 =$	$2 \times 4 =$	$3 \times 4 =$
$4 \times 4 =$	$5 \times 4 =$	$6 \times 4 =$
$7 \times 4 =$	$8 \times 4 =$	$9 \times 4 =$
$10 \times 4 =$	$11 \times 4 =$	$12 \times 4 =$