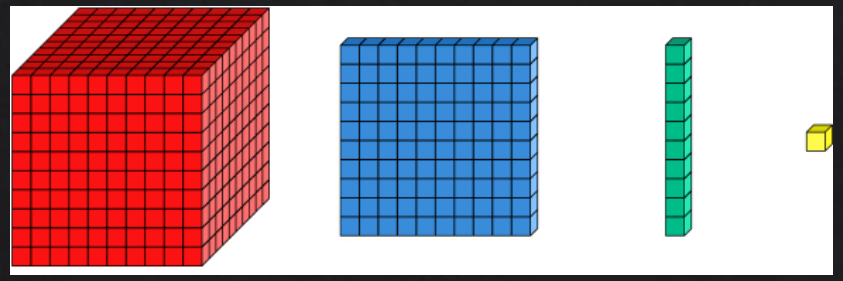
Welcome to the Year 3 Parent Café

Maths

Look at the concrete objects on your table.

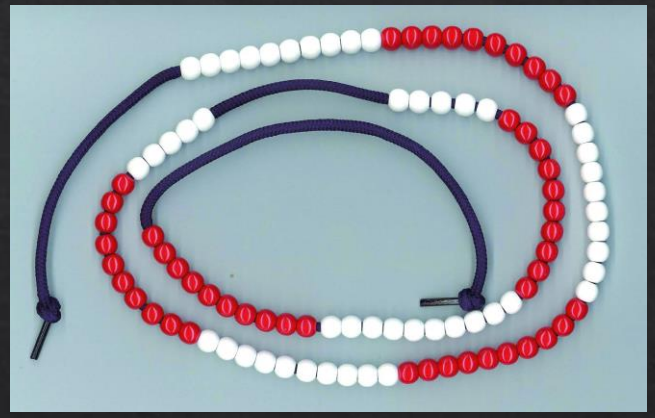
What do you think these are called?

How might we use them to support maths?



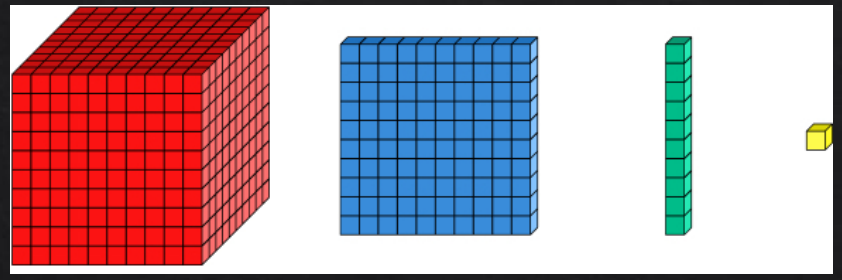
Concrete resources:

Counters



Bead strings

Numicon



Base ten

Place value counters

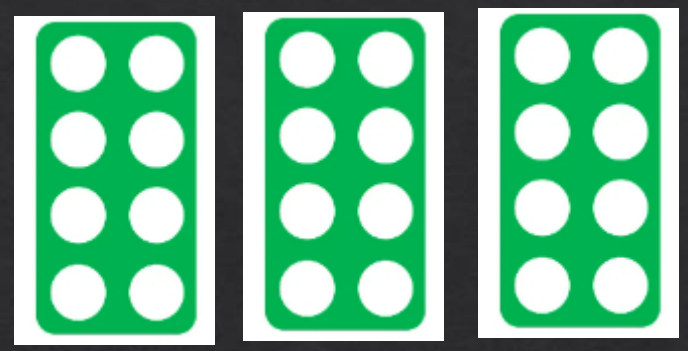
Cuisenaire rods

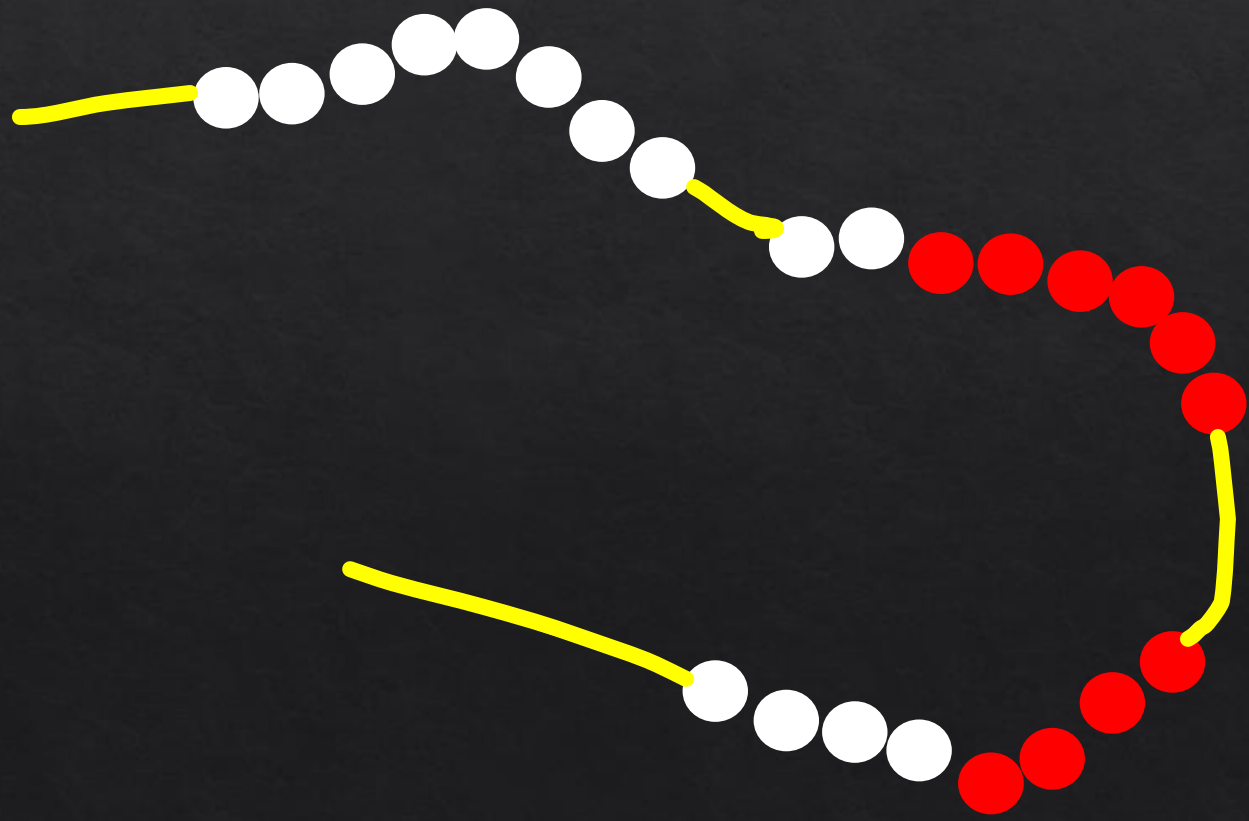
Use the concrete resources to show:

$$8 \times 3 =$$

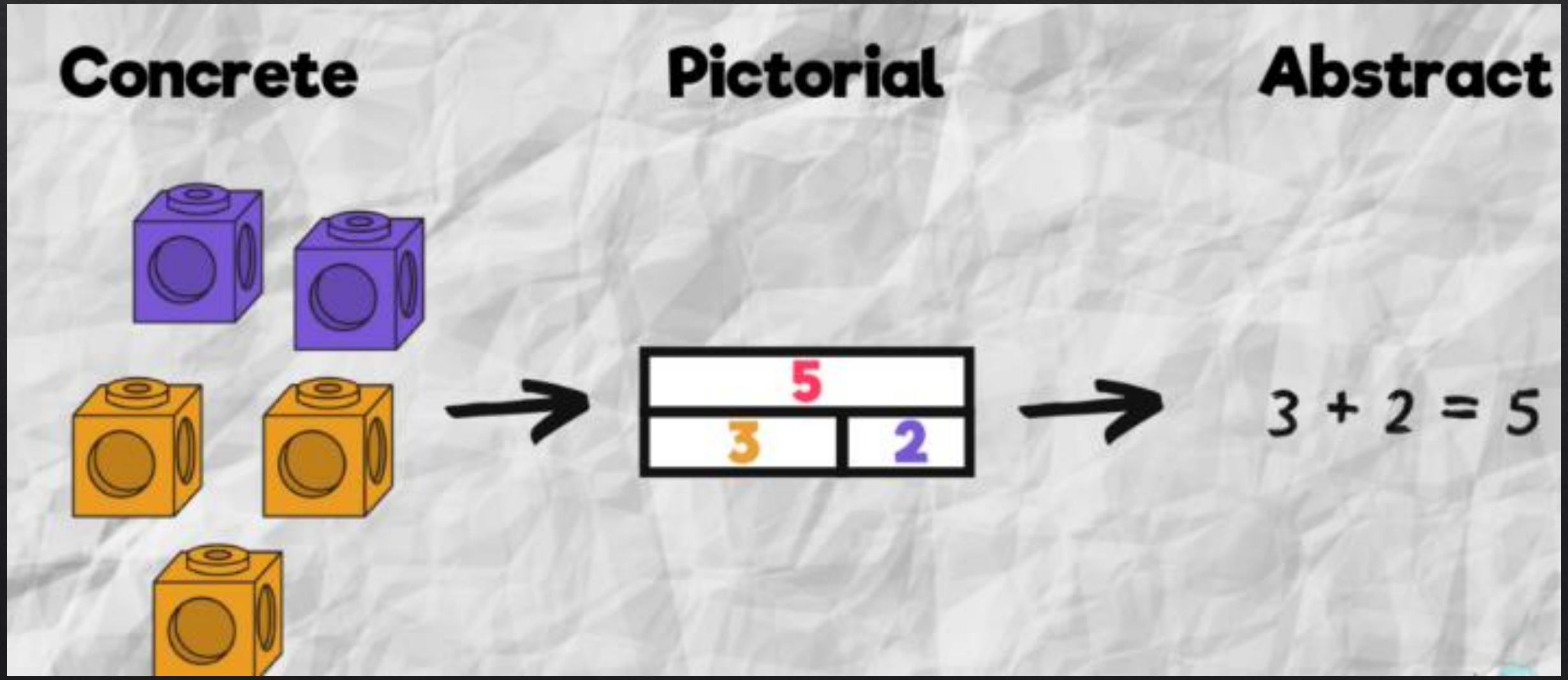
Which concrete resource is best for showing this multiplication?

$8 \times 3 =$





At Drake, calculations are taught using a CPA (concrete, pictorial, abstract) approach.



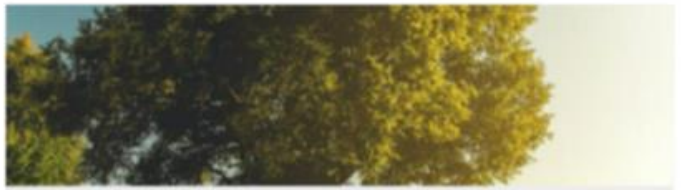
My Mastery

Autumn

1. Number sense and exploring calculation strategies
2. Place value
3. Graphs
4. Addition and subtraction
5. Length and perimeter

Spring

6. Multiplication and division
7. Calculating with multiplication and division
8. Time
9. Fractions



Summer

10. Angles and shapes
11. Measures
12. Applying multiplicative thinking
13. Exploring calculation strategies and place value

Coded Hundred Square

This hundred square is written in code. It starts with one and ends with a hundred.

Cut out the pieces below and use them to build up the hundred square.

Can you build it up? How did you do it?
Can you build it up in a different way?
Talk to a friend who has also tried building up the hundred square. How did they do it? What do you like about their method?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Where could you start?

What might the first row of numbers look like?

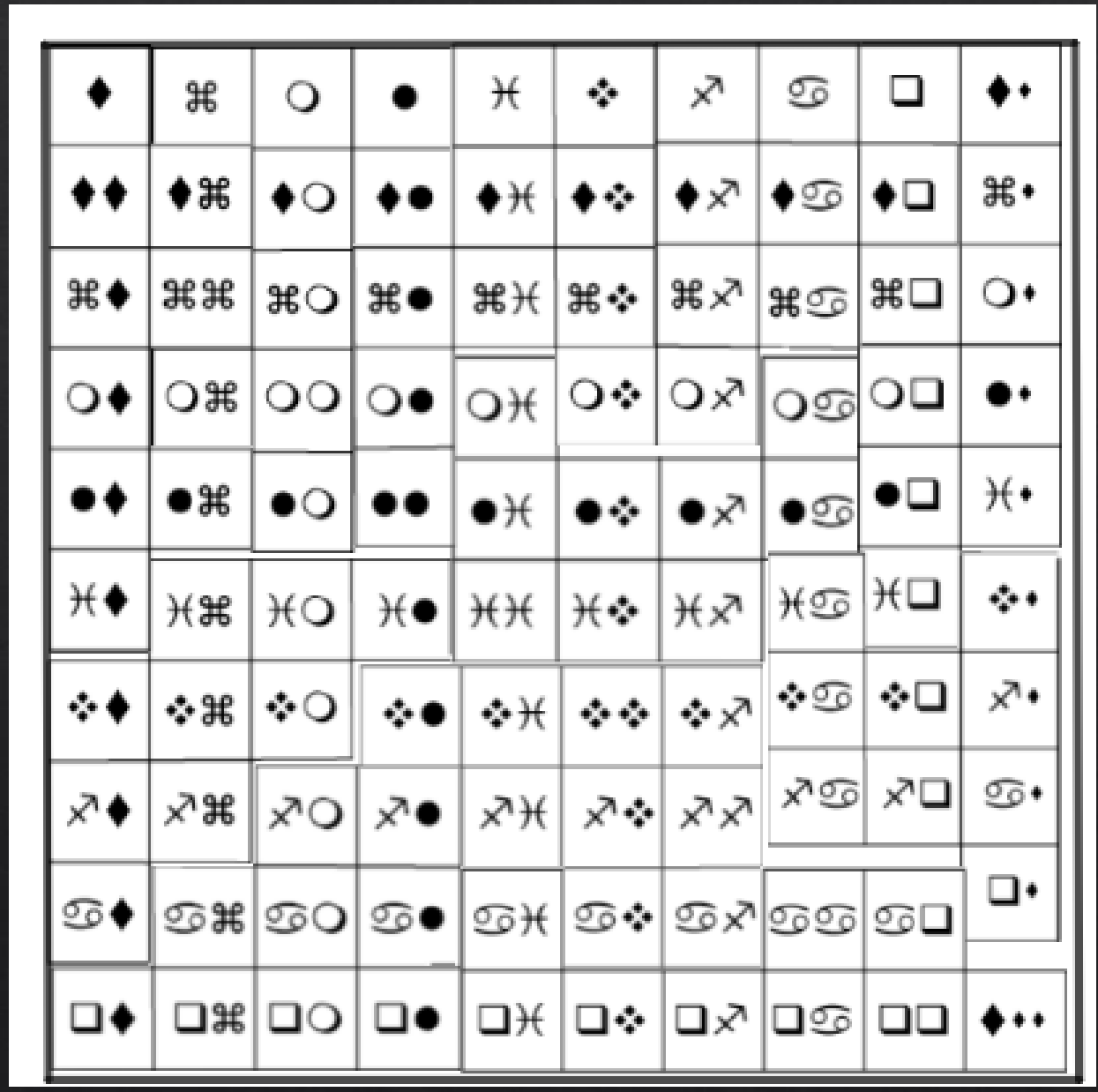
What will be the same in each column?

What will be the same for the first nine numbers in each row?

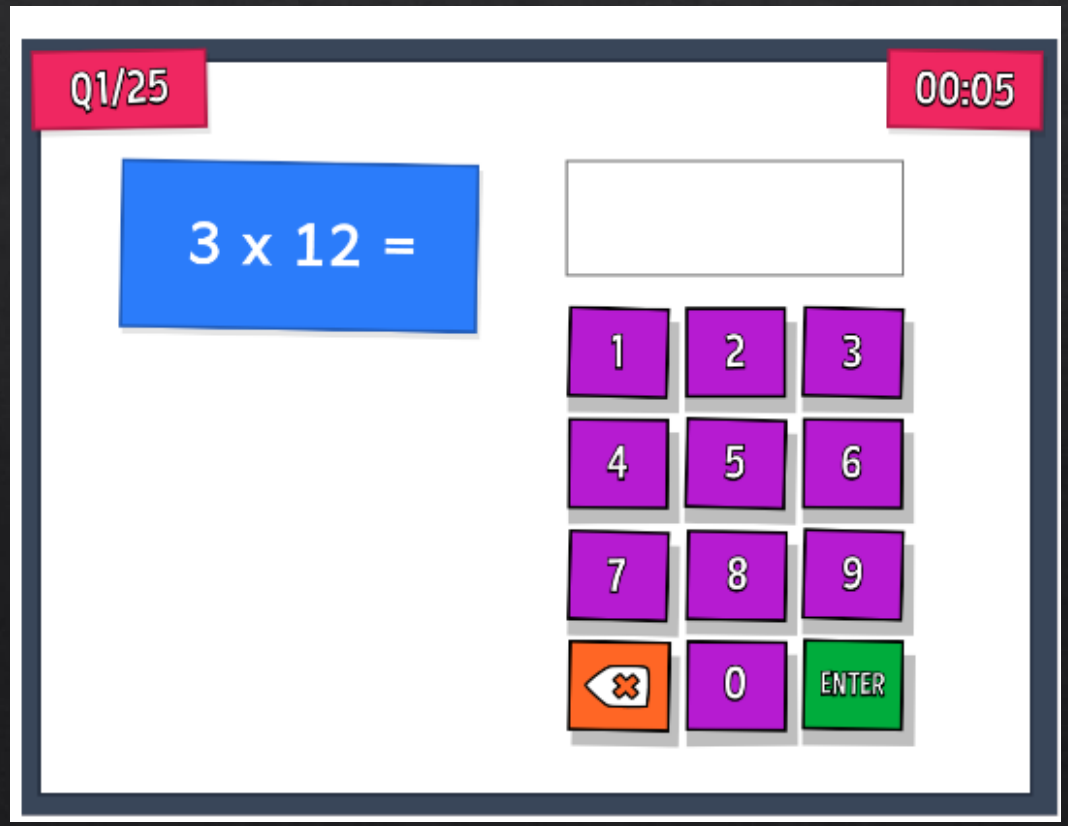
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Solution:

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



Multiplication tables check update



What multiplication bonds should we already know?

2x

4x

5x

10x

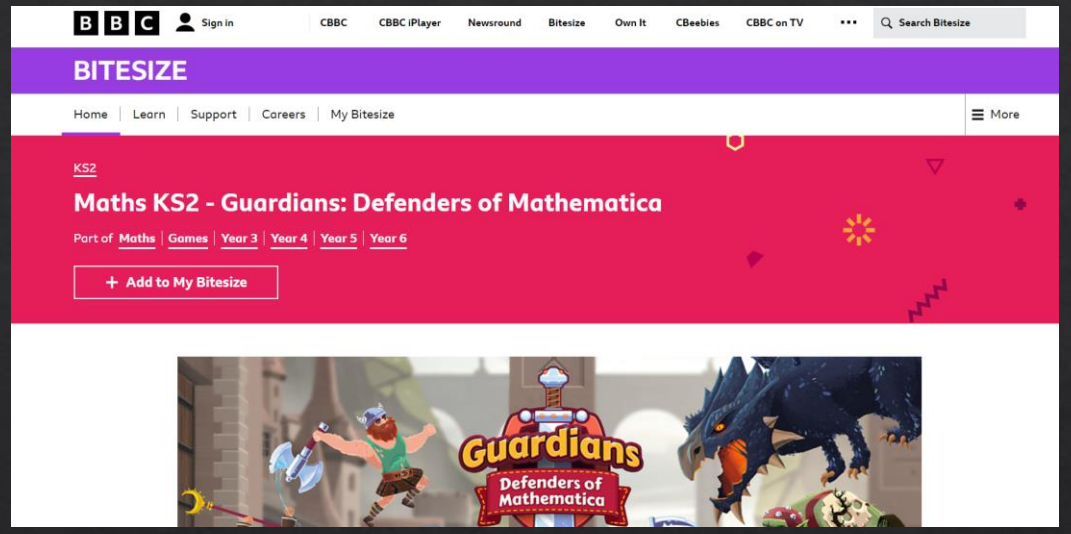
What multiplication have we been learning about?

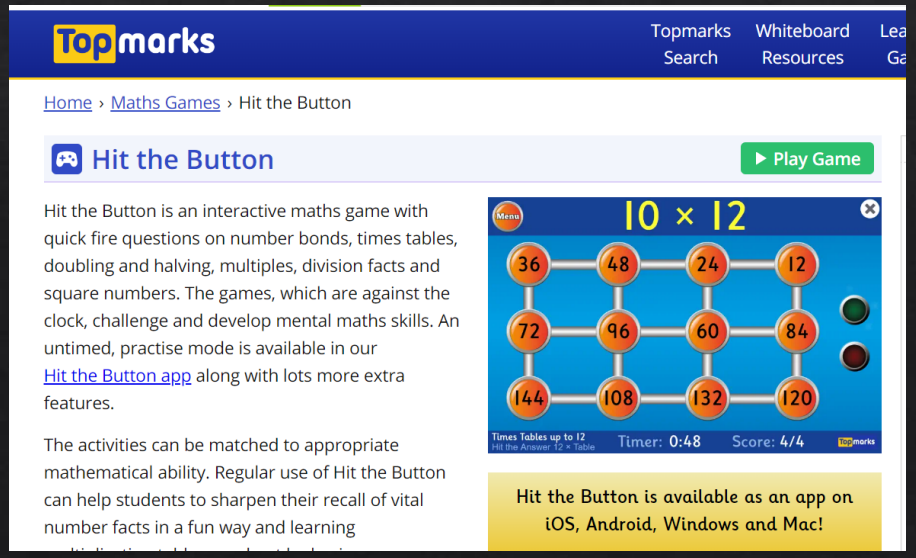
8x 11x

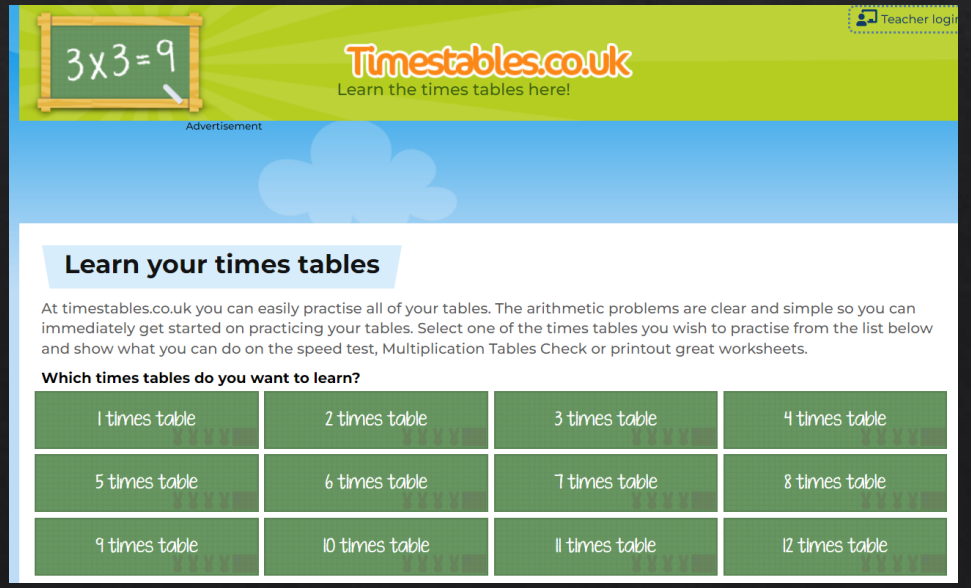
https://www.youtube.com/watch?v=3kAWgxcQG8I

https://www.youtube.com/watch?v=kN3RG5iLKpo&t=42s

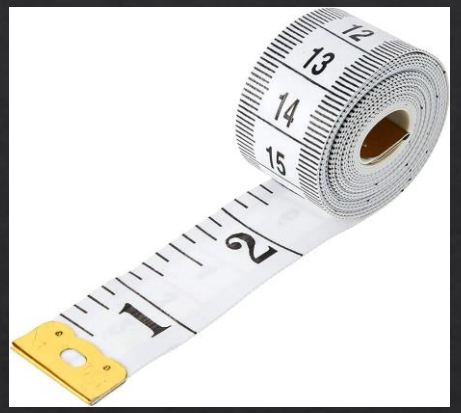
Websites to support maths:



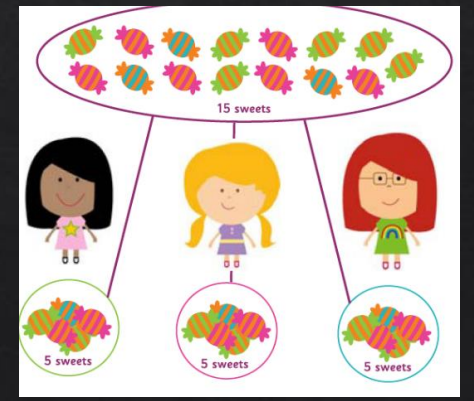


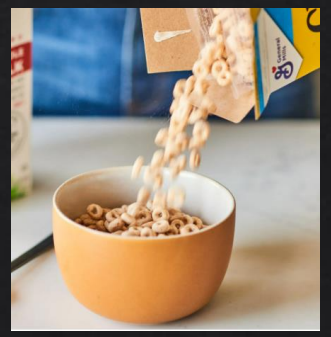


How to support maths at home?



TTRS challenges





Exploring everyday items