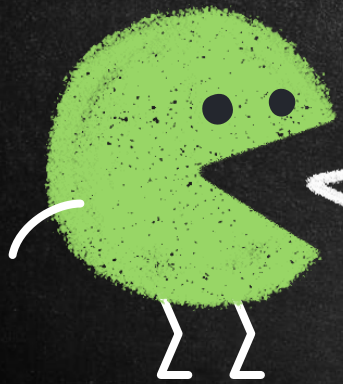
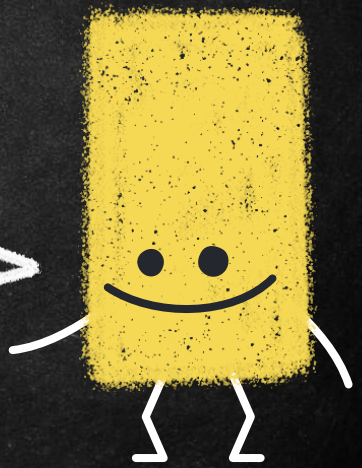
What words or feelings do you think of when thinking about your own experience of maths?

How were you taught your times tables when you were at school?

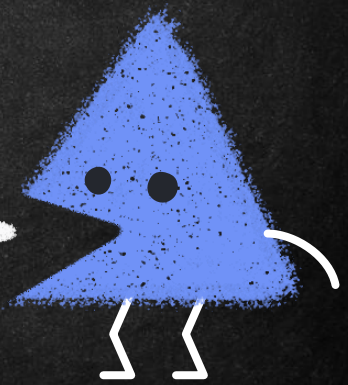
Supporting your child with Multiplication Tables





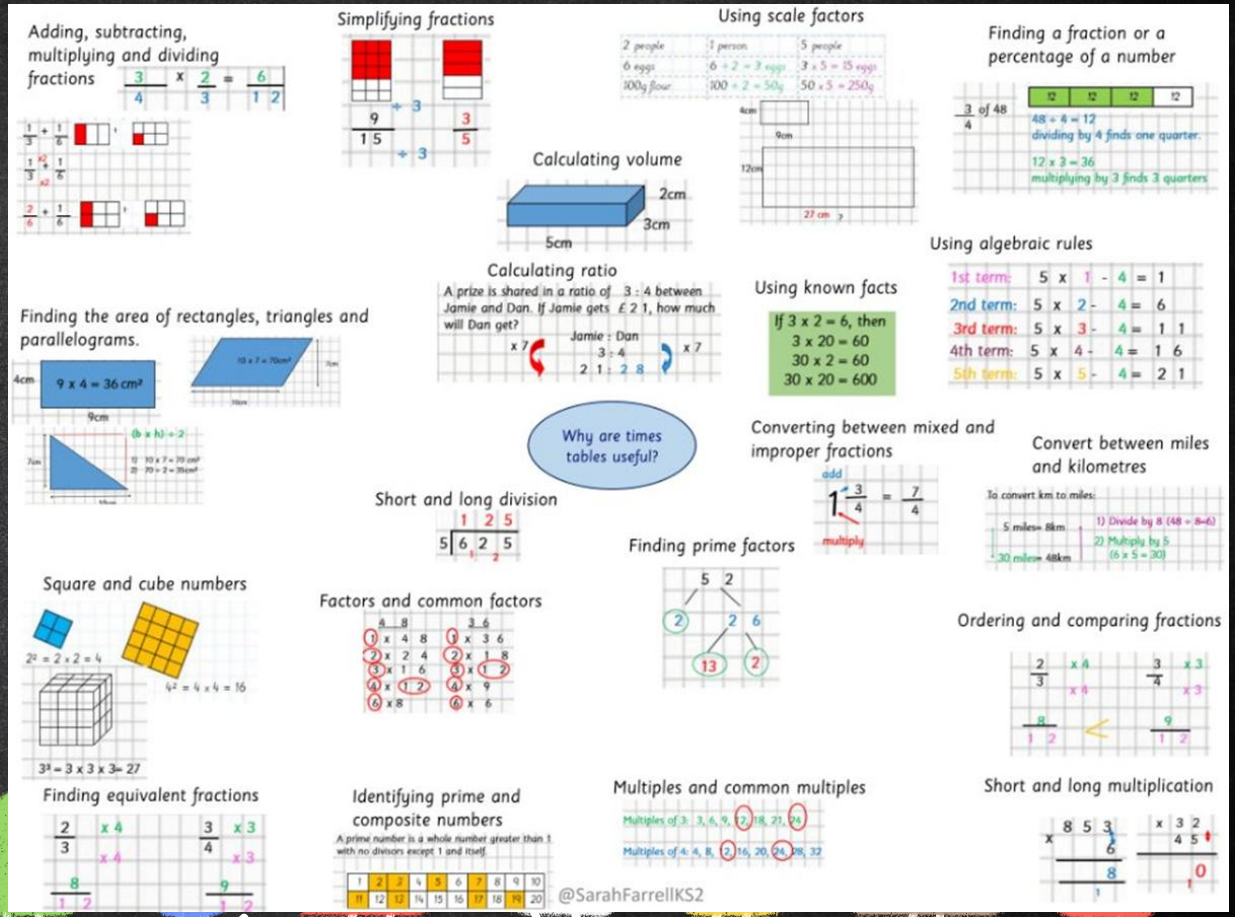
Aims

- When do we teach each times table?
- When are the children assessed on their multiplication tables?
- How do we teach multiplication tables?
- How can you help children practice their multiplication tables?



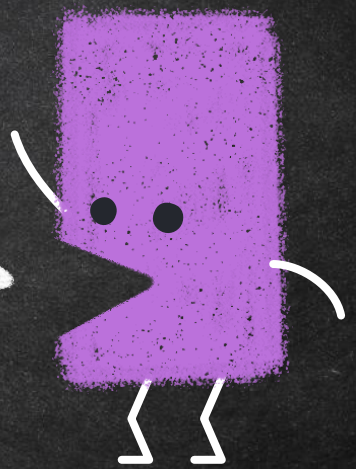
Why is Multiplication important?

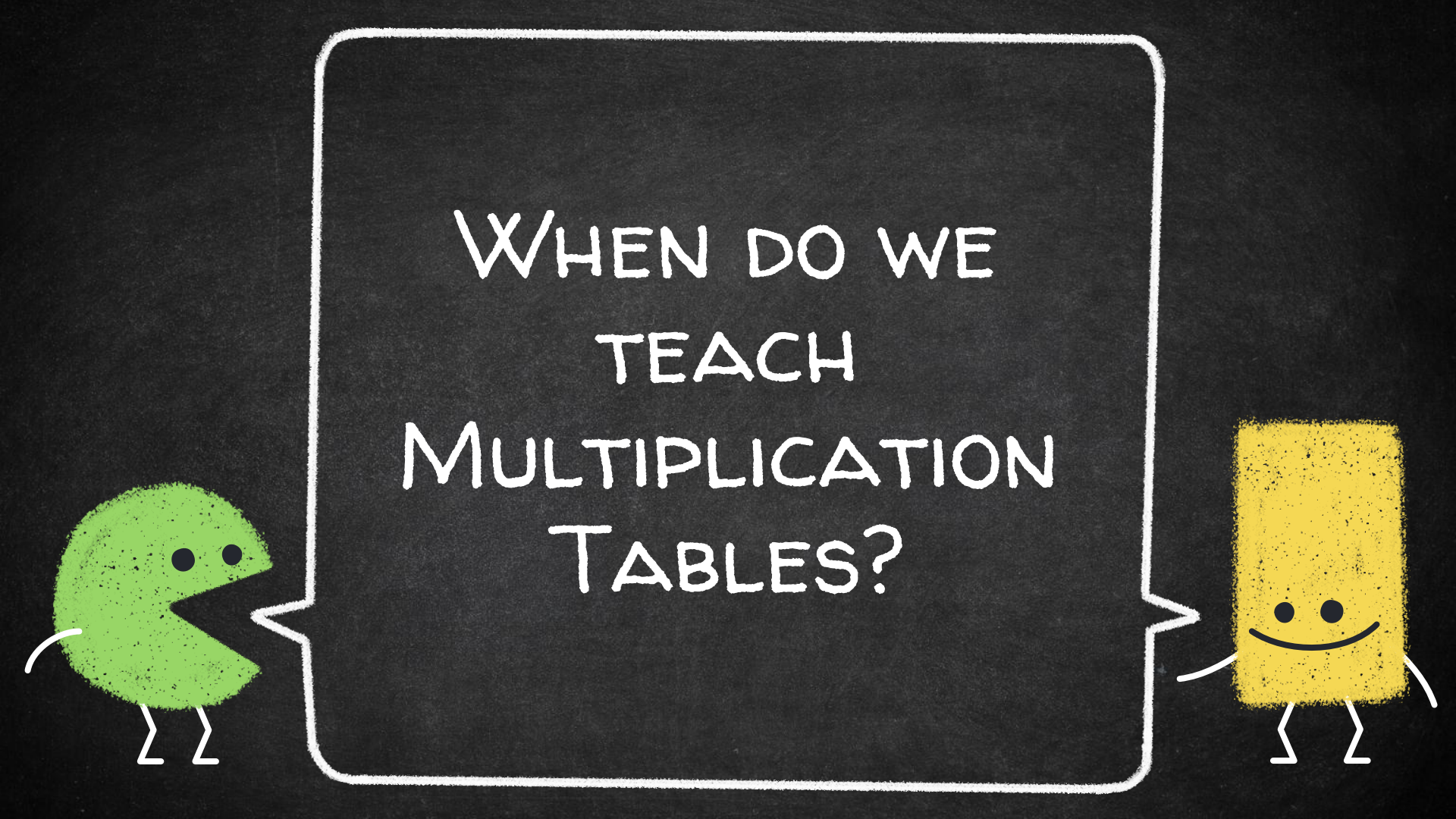
Fractions.
Decimals.
Formal Written Multiplication.
Division.
Area.
Ratio.
Square and cube numbers.
Place value.
Prime numbers.
Common multiples.
Factors.



“

The automatic retrieval of basic maths facts is critical to solving complex maths problems.




When do we teach Multiplication Tables?

Year Group	Multiplication Table Taught
1	Counting in 2s, 5s and 10s
2	2, 5, 10
3	4, 8
4	3, 6, 9, 7, 11, 12
5	Consolidation
6	Consolidation

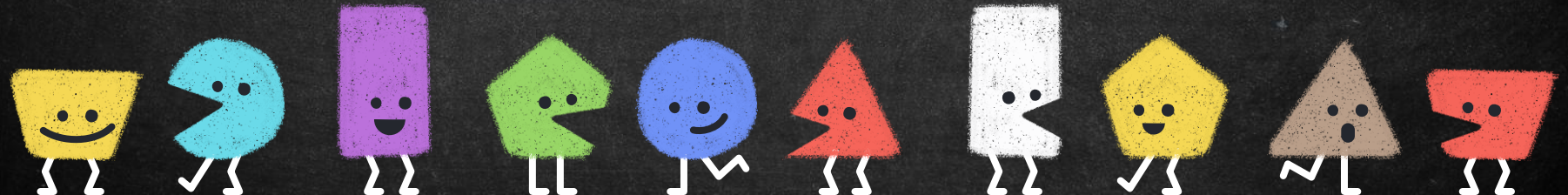
Multiplication

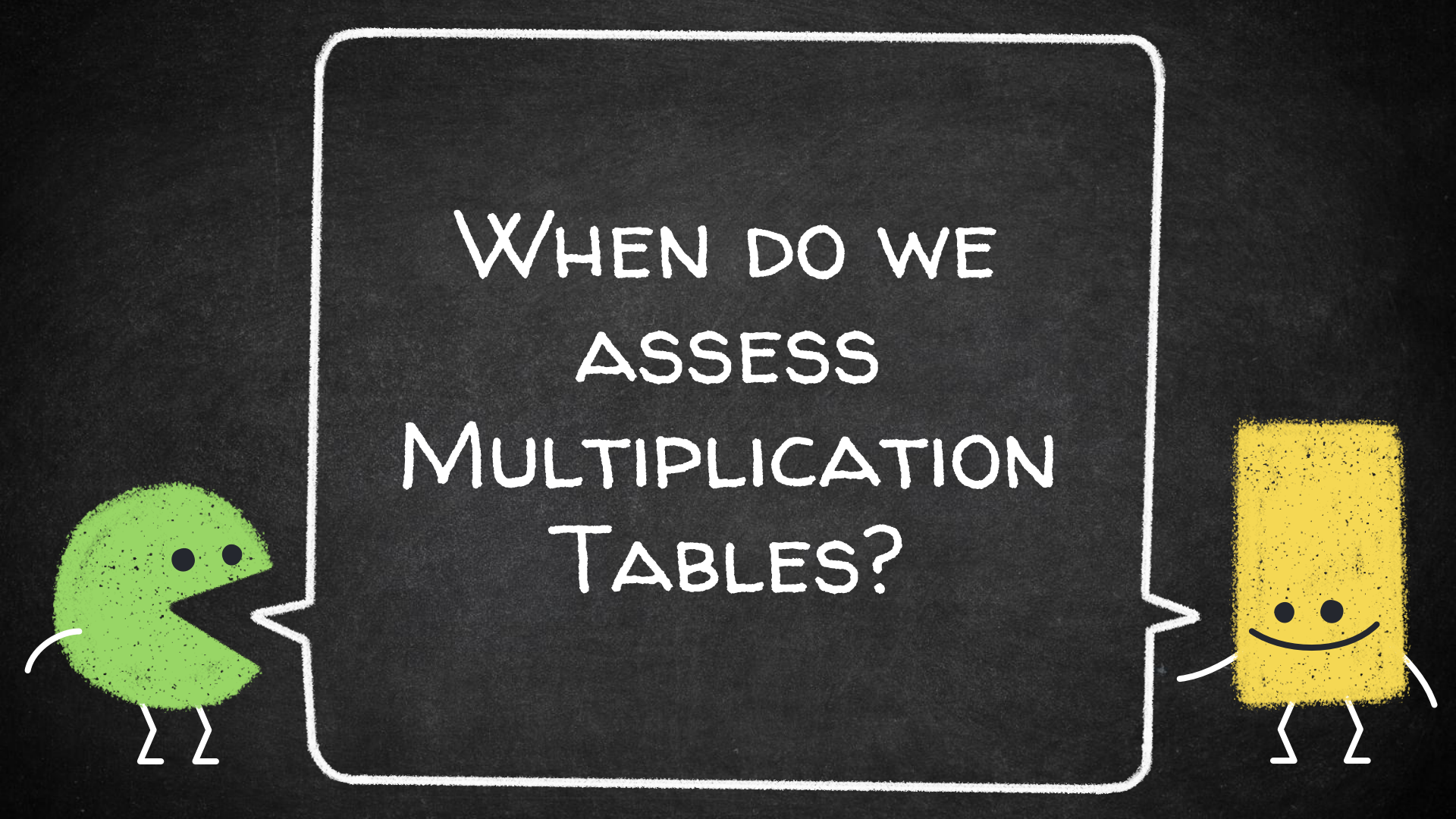
$3 \times 3 = 9$

factor factor product

multiple

$9 \div 3 = 3$




When do we assess Multiplication Tables?

Multiplication Tables Check

- The Multiplication Tables Check (MTC) will be administered to children in Year 4, over a 2 week window from 2nd June – 13th June 2025.
- Children will be tested using a computer
- They will have to answer timed multiplication questions
- Children will have 6 seconds to answer each question
- The test will last no longer than 5 minutes;
- There are 25 questions
- Children can only take the test once

Department for Education

Multiplication Tables Check

- The 6, 7, 8, 9 and 12 times tables are more likely to be asked than the 2, 3, 4, 5, 10 or 11 multiplication tables. The STA state that there is a focus on these as these are the 'most difficult' multiplication tables.
- There will always be questions from the 3, 4, 5, 6, 7, 8, 9, 11 and 12 multiplication tables in each test.
- There will be no questions from the 1 times table (i.e 1 x 8 or 8 x 1)
- There will only be a maximum of 7 questions from the 2, 5 and 10 times tables.

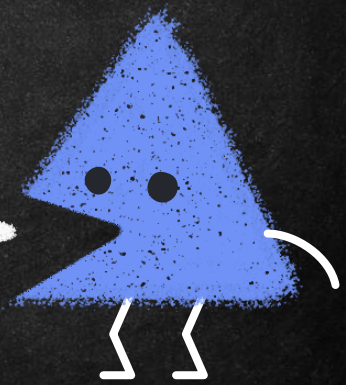
5.2.1 Table 1 – Multiplication table limits in the MTC

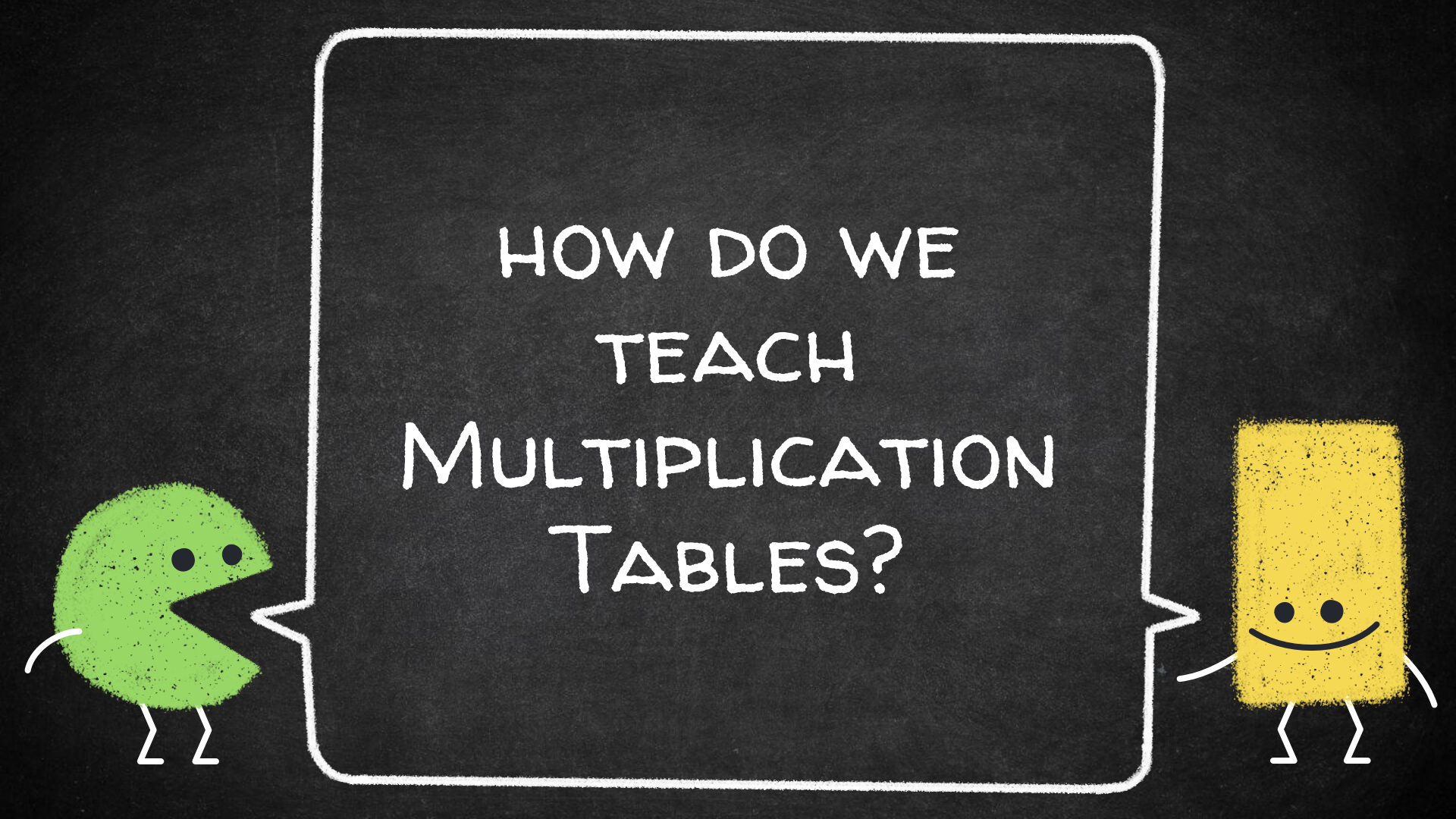
Multiplication Table	Minimum number of items in each form	Maximum number of items in each form
1	Not applicable	Not applicable
2	0	2
3	1	3
4	1	3
5	1	3
6	2	4
7	2	4
8	2	4
9	2	4
10	0	2
11	1	3
12	2	4

Times Tables Rock Stars

	10	2	5	3	4	8	6	7	9	11	12
10	10 x 10	10 x 2	10 x 5	10 x 3	10 x 4	10 x 8	10 x 6	10 x 7	10 x 9	10 x 11	10 x 12
2	2 x 10	2 x 2	2 x 5	2 x 3	2 x 4	2 x 8	2 x 6	2 x 7	2 x 9	2 x 11	2 x 12
5	5 x 10	5 x 2	5 x 5	5 x 3	5 x 4	5 x 8	5 x 6	5 x 7	5 x 9	5 x 11	5 x 12
3	3 x 10	3 x 2	3 x 5	3 x 3	3 x 4	3 x 8	3 x 6	3 x 7	3 x 9	3 x 11	3 x 12
4	4 x 10	4 x 2	4 x 5	4 x 3	4 x 4	4 x 8	4 x 6	4 x 7	4 x 9	4 x 11	4 x 12
8	8 x 10	8 x 2	8 x 5	8 x 3	8 x 4	8 x 8	8 x 6	8 x 7	8 x 9	8 x 11	8 x 12
6	6 x 10	6 x 2	6 x 5	6 x 3	6 x 4	6 x 8	6 x 6	6 x 7	6 x 9	6 x 11	6 x 12
7	7 x 10	7 x 2	7 x 5	7 x 3	7 x 4	7 x 8	7 x 6	7 x 7	7 x 9	7 x 11	7 x 12
9	9 x 10	9 x 2	9 x 5	9 x 3	9 x 4	9 x 8	9 x 6	9 x 7	9 x 9	9 x 11	9 x 12
11	11 x 10	11 x 2	11 x 5	11 x 3	11 x 4	11 x 8	11 x 6	11 x 7	11 x 9	11 x 11	11 x 12
12	12 x 10	12 x 2	12 x 5	12 x 3	12 x 4	12 x 8	12 x 6	12 x 7	12 x 9	12 x 11	12 x 12

NO DATA	0 - 1 s	1 - 2 s	2 - 3 s	3 - 4 s	4 - 5 s	5 - 6 s	6 - 7 s	7 - 8 s	8 - 9 s	9 - 10 s	> 10 s

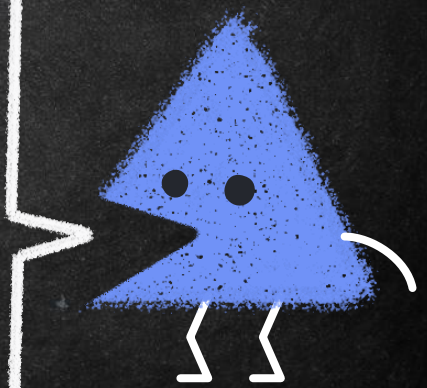



How do we
teach
Multiplication
Tables?

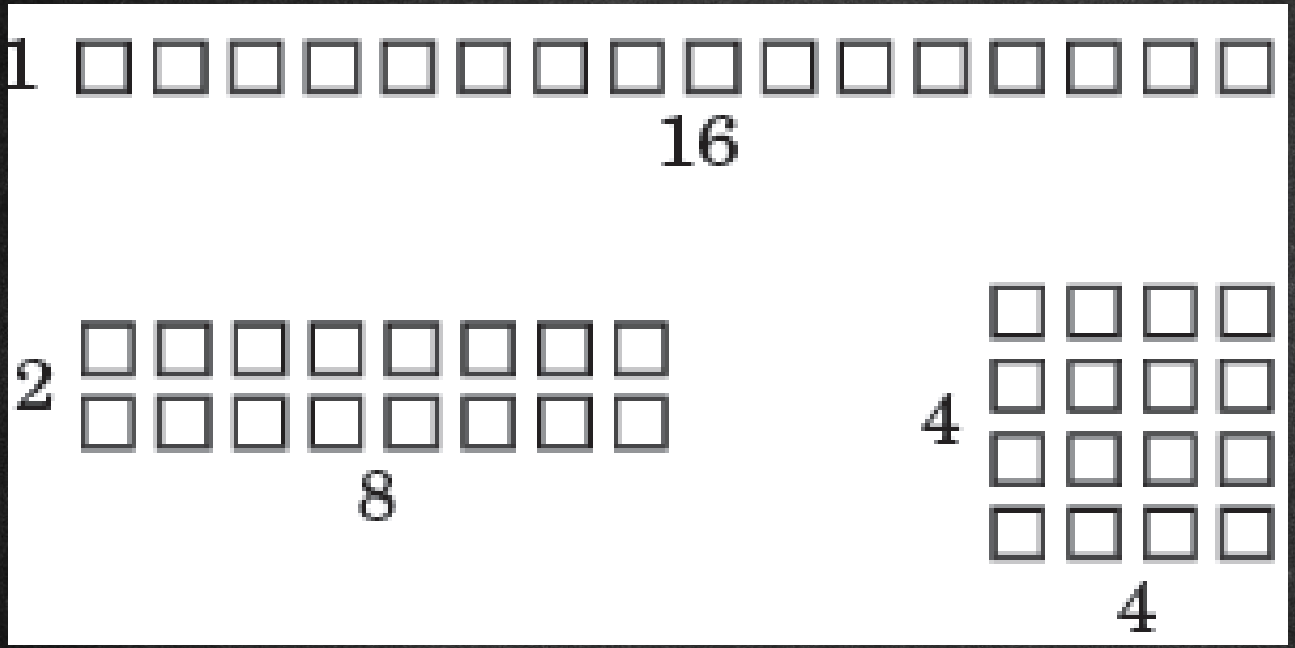
Concrete

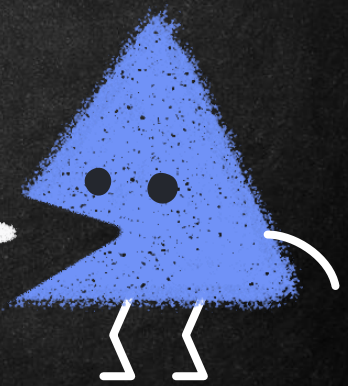
- Make the number 16
- How many ways can you make this number? Can you make it with equal groups of 2? 3? 4? 5?
- What do you notice?



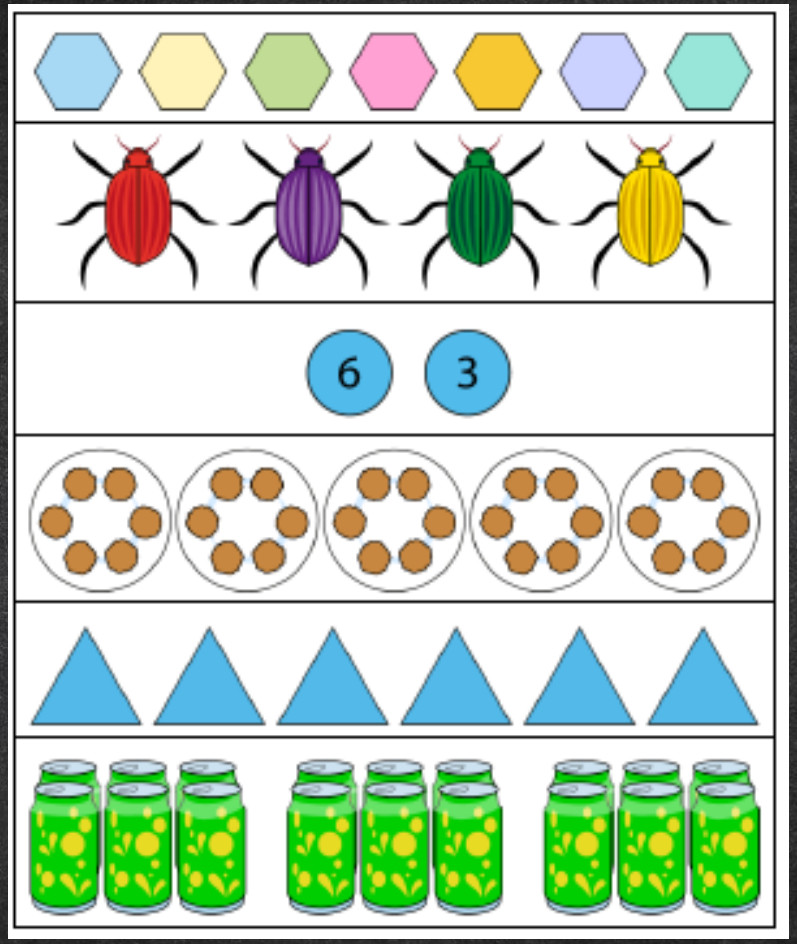


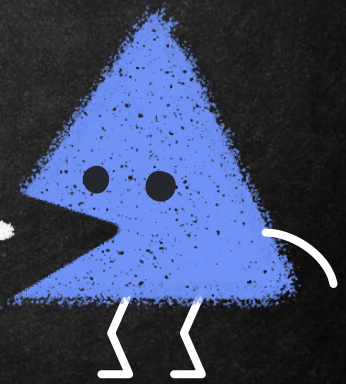
Concrete



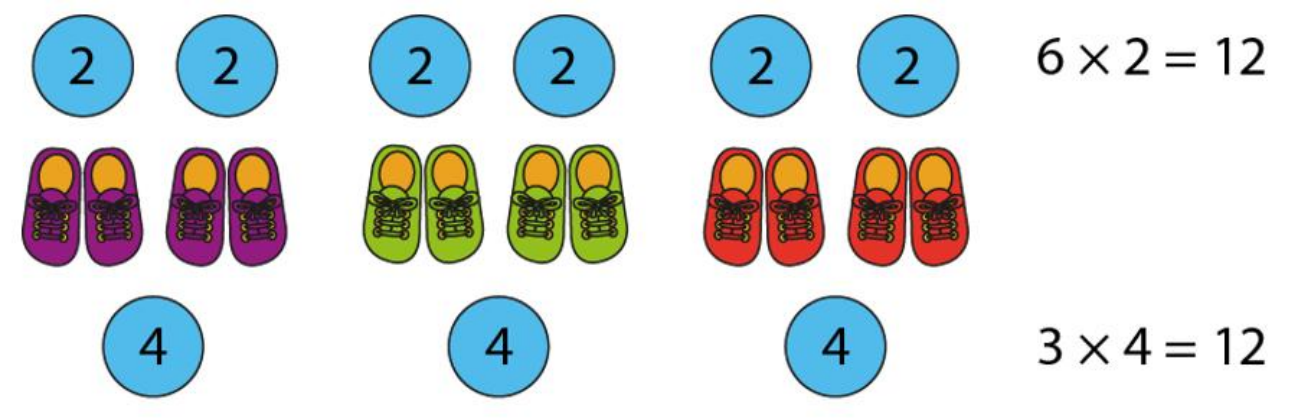


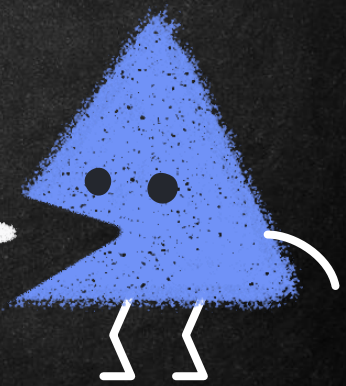
Pictorial



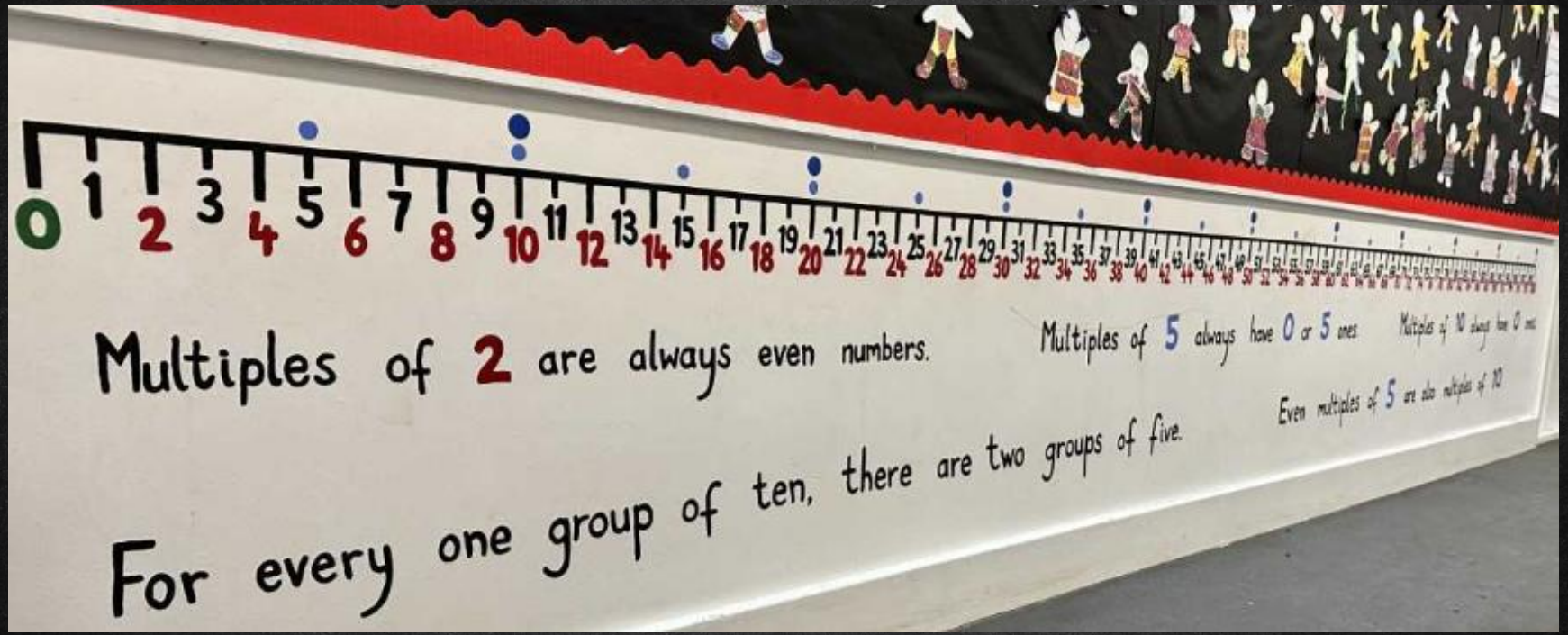


Pictorial





YEAR 2 LOOK AT THE LINK BETWEEN THE 5S AND 10S



YEAR 2 LOOK AT THE LINK BETWEEN THE 5S AND 10S

Multiples of **2** are always even numbers.

Multiples of **5** are always **0** or **5** ones.

Multiples of **10** always have **0** ones.

For every one group of ten, there are two groups of five.

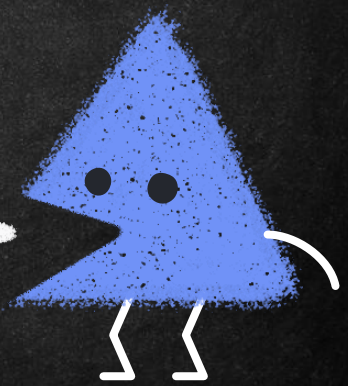
Even multiples of **5** are also multiples of **10**.



Abstract – The Counting Stick

- https://www.youtube.com/watch?v=sWsjIsuuE4I
- A video demonstrating the 3 times table on the counting stick





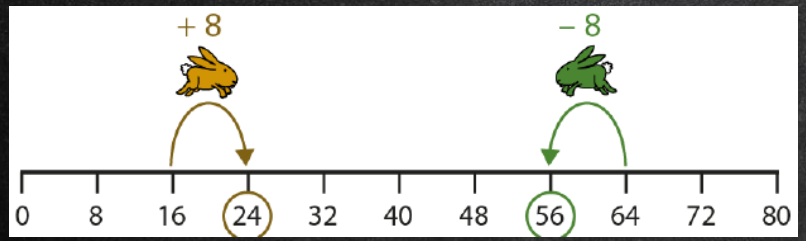
If you did not know what 3 x 8 is, how could you use other known facts to work it out.

→ 2 x 8 = 16 16 + 8 = 24 3 x 8 = 24

If you did not know what 7 x 8 is, how could you use other known facts to work it out.

→ 8 x 8 is a square number: 64 - 8 = 56

→ 6 x 8 = 48 48 + 8 = 56



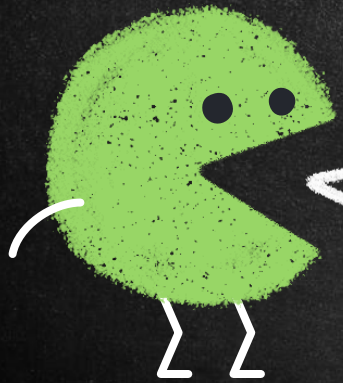
×	1	2	3	4	5	6	7	8
1	●	●	●	●	●	●	●	●
2	●	●	●	●	●	●	●	●
3	●	●	●	●	●	●	●	●

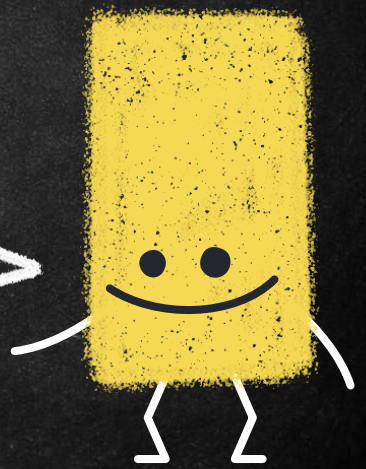
	× 8
0	0
1	8
2	16
3	
4	32
5	40
6	48
7	
8	64
9	72
10	80
11	88
12	96

↓ + 8

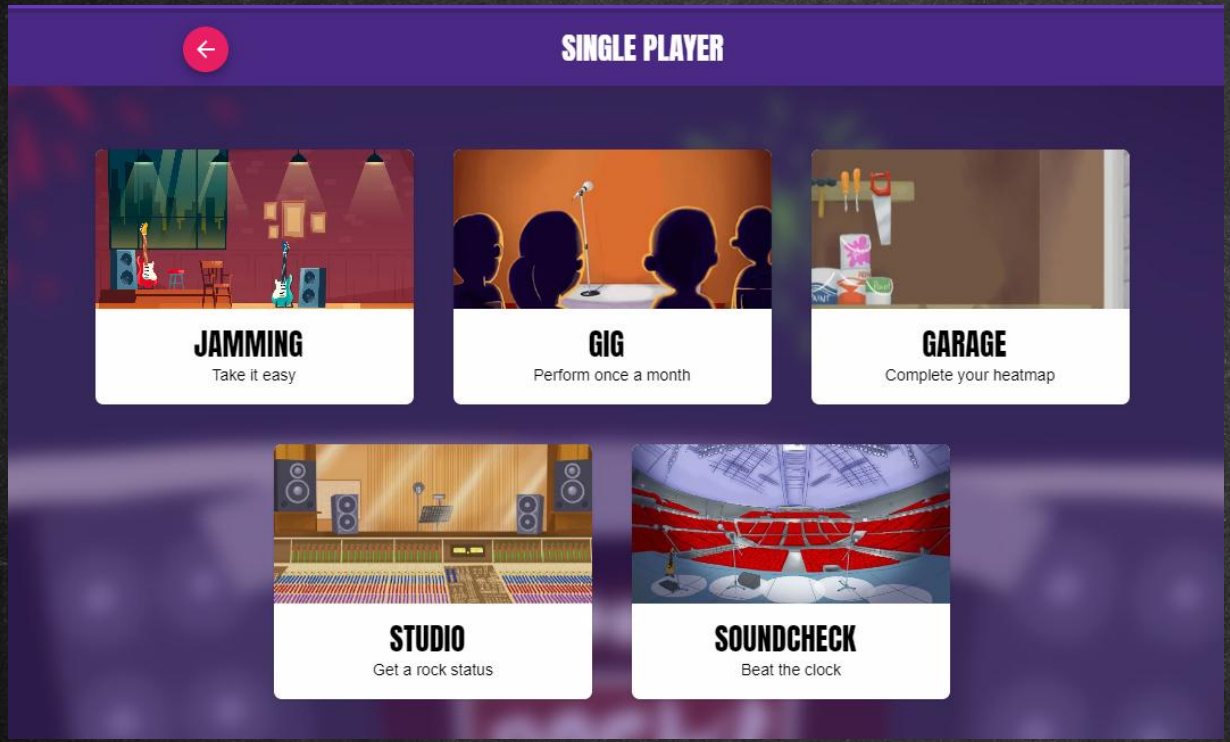
↑ − 8

How can we help children practice their Multiplication Tables?

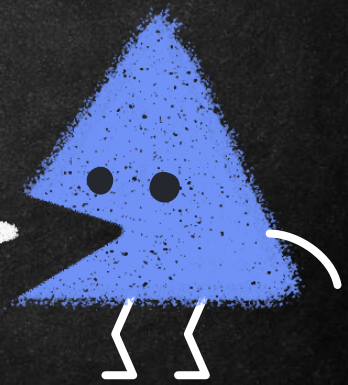




Times Tables Rock Stars







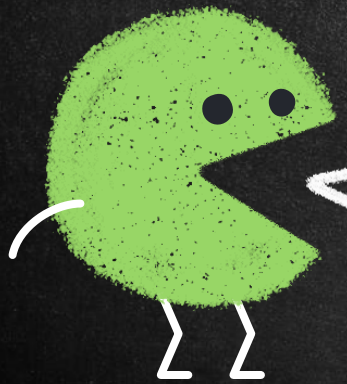
Factors and Multiples

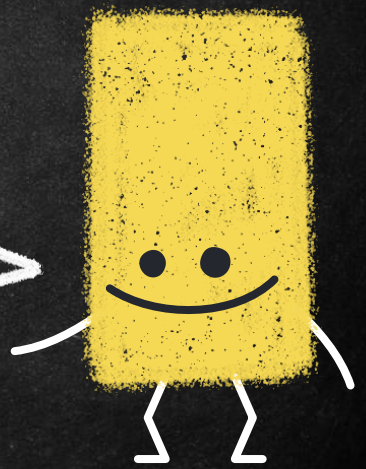
https://www.iseemaths.com/games-resources/

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24						

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

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





Songs and Rhymes

9 x 7 = 63

Nine times seven is sixty-three

Nine sevens are sixty-three

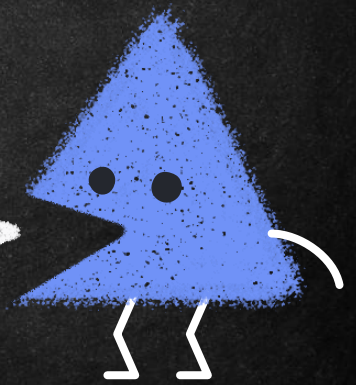






The 9 Times Table

Let the Rapping Unicorn's fun song and movement routine teach your class the 9 times table, while encouraging them to be physically active.



Fizz Buzz Game

Fizz Buzz the game!

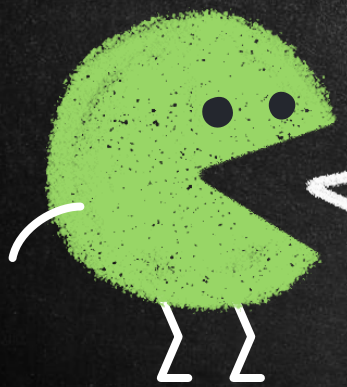
This popular classroom game can be easily adapted for home and is a great way to tackle times tables in a fun way!

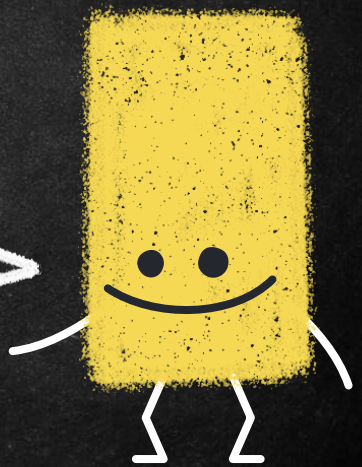
How to play:

Choose the times table you would like to practise.
Take turns with your child take turns to count from 1 (or you can get the whole family in on this one).
When you get to a multiple in your chosen times table, you must say “FIZZ!” instead of the number.
A way you can make it harder is to add an extra rule. If any number is also a multiple of six, you have to say BUZZ. If a multiple of both, say FIZZ BUZZ!

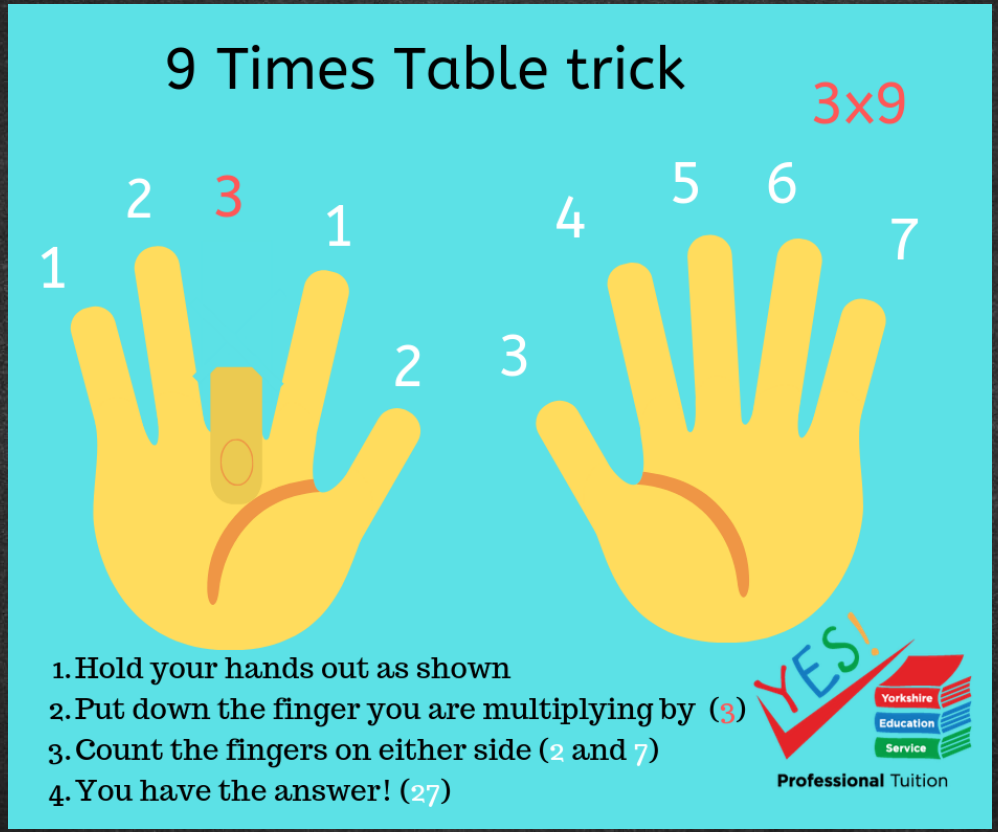
Fizz Buzz for the 3 and 6 times table

1, 2, FIZZ, 4, 5, FIZZ BUZZ, 7, 8, FIZZ, 10, 11, FIZZ BUZZ





9 Times Tables on fingers

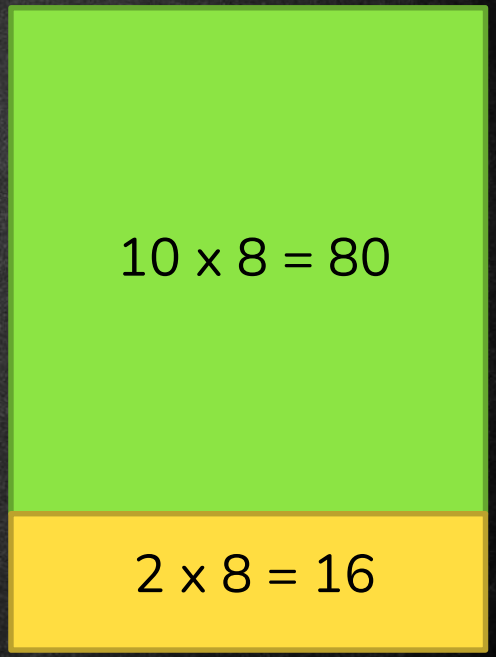


11 and 12 times tables

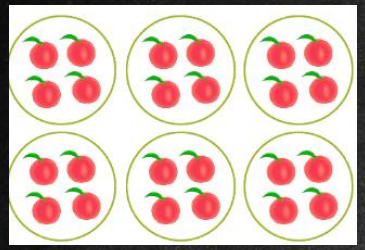
- If pupils have a secure knowledge of the 10 and 2 times tables, they can use this to help with the 12 times tables.

- E.g. 12 x 8 = (10 x 8) + (2 x 8)

- 80 + 16 = 96



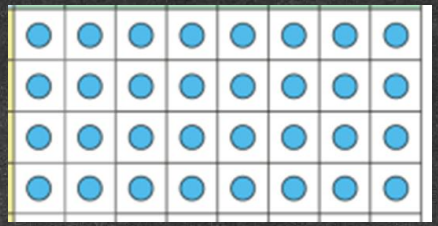
Activities for home



Use small food items like raisins and grapes when practising grouping and arrays. Lay out a group of raisins (or whatever you prefer) and ask your child to group them into twos, threes...before they eat them all.

If you have just done a clothes wash and have 20 socks that are ready to be put away, ask your child to divide them by two so that you know how many pairs you will need by the end.

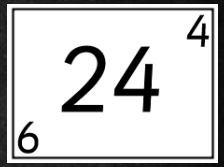




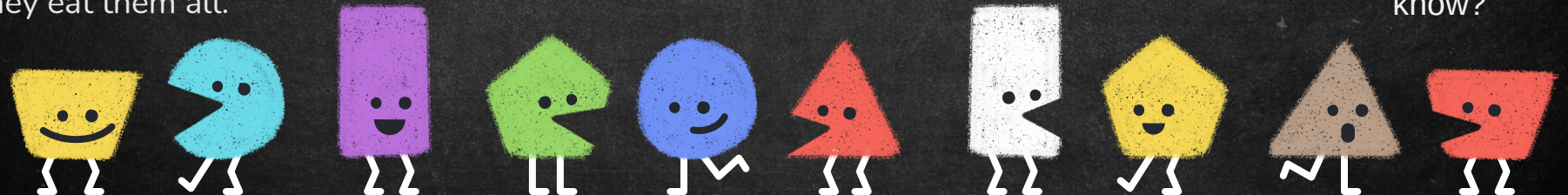
Choose a 2-digit number Ask: 'How many ways can you make this number? Can you make it with groups of 2? 3? 4?' Encourage children to use Lego bricks or similar to build the groups.

Spotting house Numbers Which numbers are in the 2 times table? Which ones are also in the 4 times table?





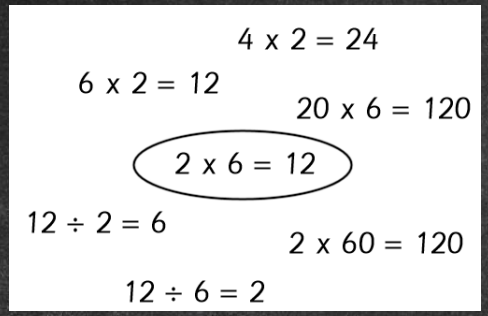
Little cards, product in the middle, factors in the corners. What is the missing…product or factor? How do you know?



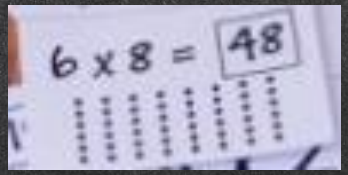
Activities for home

Pack of playing cards (discount the picture cards)
In pairs, turn over one card each
Multiply them together
Fastest to say the product gets a point!





If I know....2 x 6 = 12
How many other things can you work out from that fact?



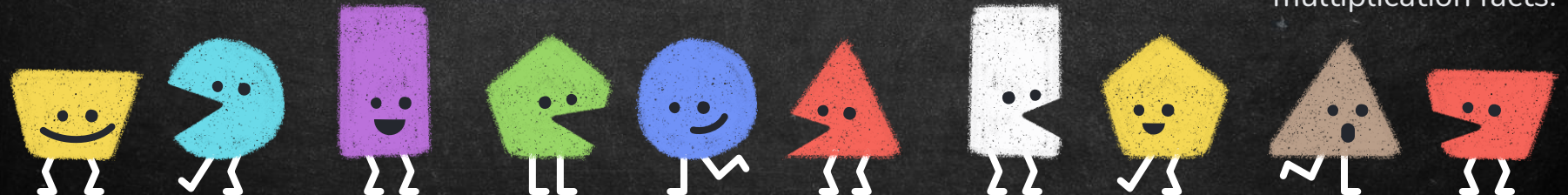
Car registration plate
Multiply the 2 numbers together – what's the product?



Fact of the Day/Week
Write out a times table fact and stick it up around the house.
Leave them up and add to them.



Draw a flower with 2-12 in the middle. On the 12 petals around the centre record the second factor and the product. It's a creative way of recording multiplication facts!



Key Points

- **Quick recall of multiplication tables really benefits from constant repetition**
- Hang Up Times Table facts/posters around the house (fridge, bedroom, living room).
- **Some children like to learn by rote; for others it doesn't work at all.**
- Your child may protest that they're useless, but **we rely on times tables constantly in everyday life**.
- **Knowing times tables makes learning easier in secondary school** and beyond.
- Teach some tricks (such as 9 x table finger trick or 5678 Consecutive numbers - 56 = 7 x 8)

Thanks!

Please complete a short survey,
we welcome your feedback

Any questions?

Ask your child's class teacher or contact
Mrs Patten via the school email/office

