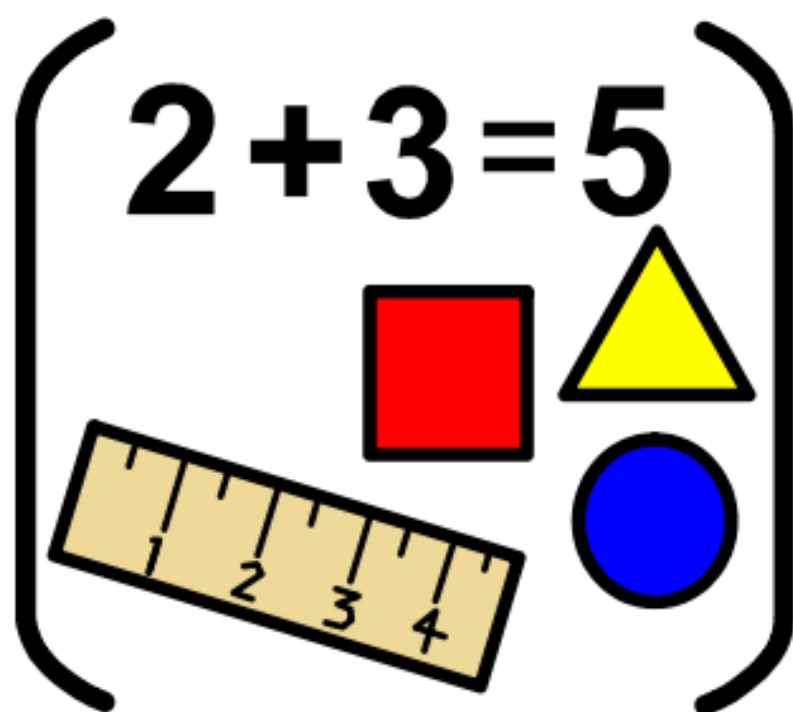




Maths

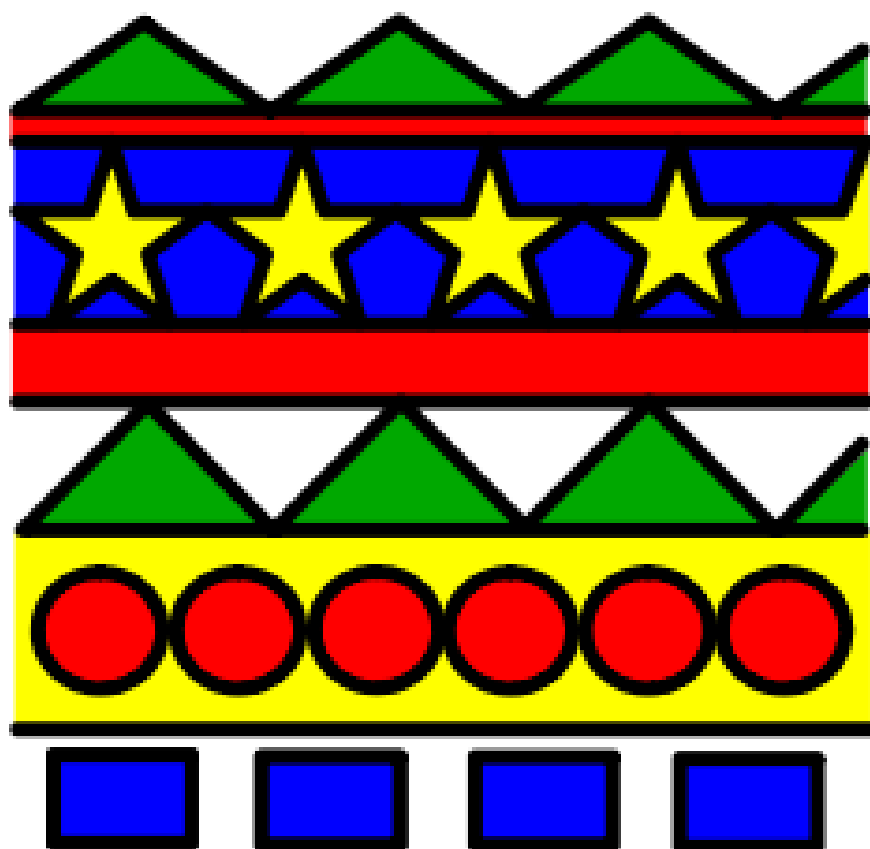


Information for Grown ups



How to use this learning resource

1. Work through the different pages.
2. Learn about the Maths skill together using the explanation and work through the examples.
3. Complete the practice activities together.
4. Click the links to watch the videos.
5. Click the links for more information.
6. Play the games together.
7. Can you find things around the house to help you keep practicing?



Patterns



What

is this



skill

and



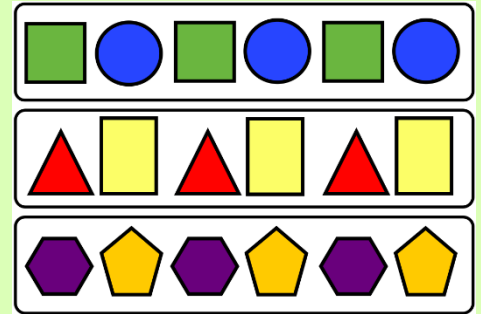
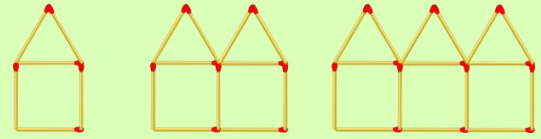
why

is it

important?



Patterns are things — colours, shapes, objects, images, numbers — that repeat in a logical and fixed way.



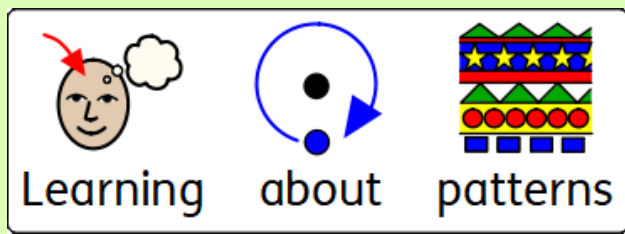
Patterns help children:

- learn to make predictions
- understand what comes next
- make logical connections
- use reasoning skills

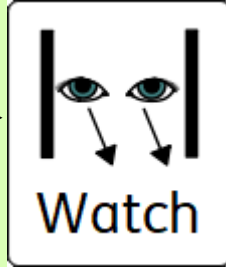


Starting with patterns of colours, shapes, images and objects helps children progress to recognising patterns in numbers. This supports times tables recall.

x	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

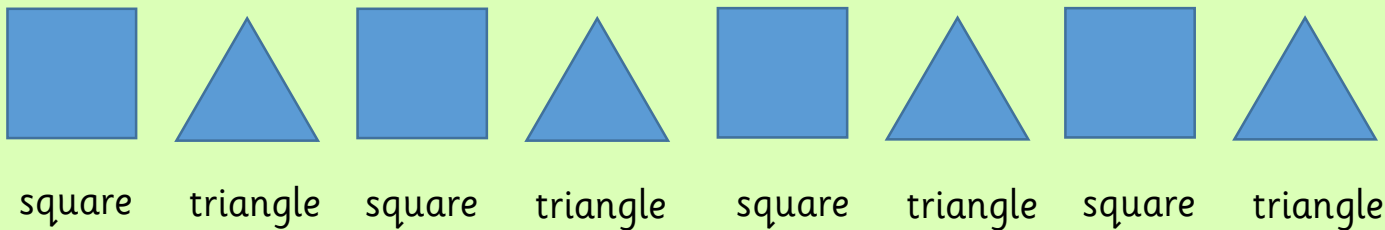


Click the link →

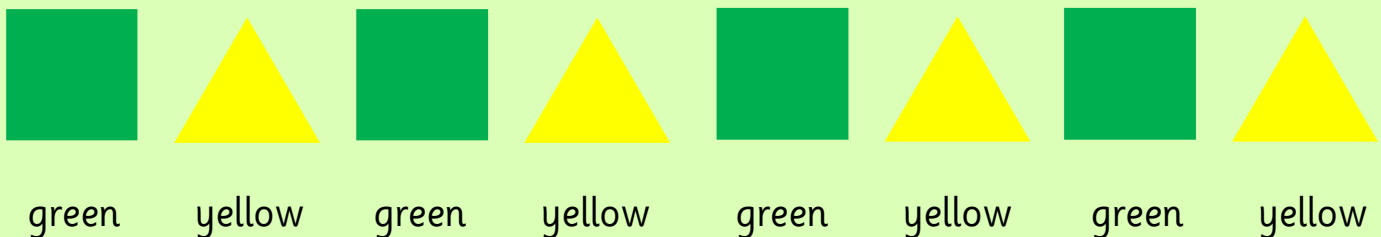


A pattern **repeats again and again** using the **same two** or more things.

What is the shape pattern here?

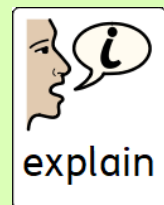


What is the colour pattern here?

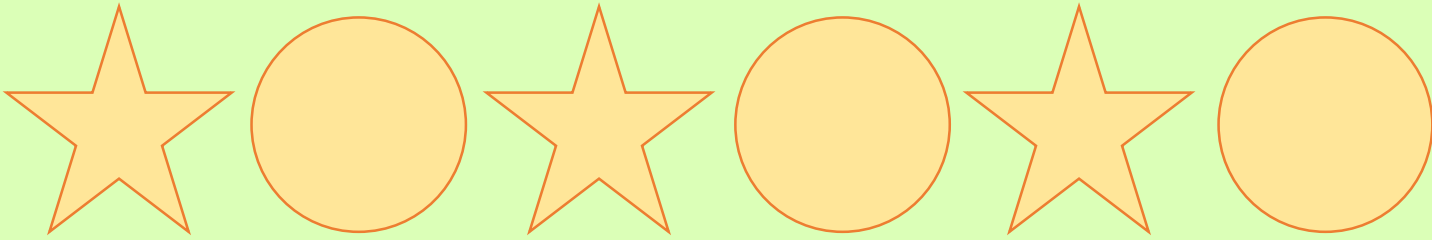
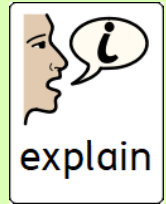


Comment on the patterns that you can see.

Encourage your child to say and explain what they see.



Ask questions to prompt your child to say
what they see and explain the pattern.



I can see stars and circles, what can you see?

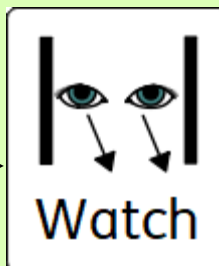
I can see star, circle, star, circle, star, circle. What
will come next?



I can see three different things.
What comes first? What comes next?

I can see a pattern, can you?

Click the link →





Let's



practice...



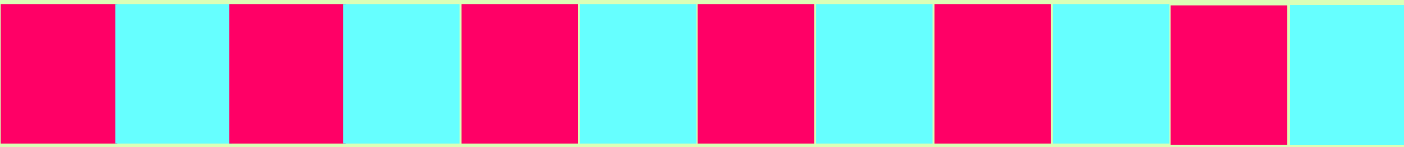
REMEMBER

to



comment

Look at the pattern, work through the questions together:



1. Can you say what you see?
2. Can you explain the pattern?
3. Can you predict what will come next?
4. Can you draw the pattern and continue it for the next **6**?

Comment on what your child is doing:

- I wonder what will come next.
- I can see you drawing a squares.
- I can see you colouring one square pink, I wonder what colour you will choose for the next square.



Let's



practice...



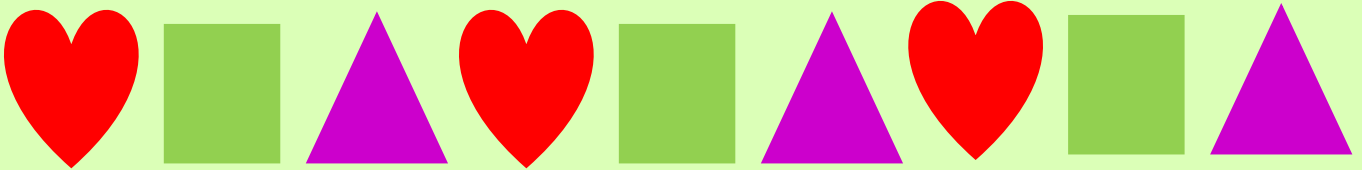
REMEMBER

to



comment

Look at the pattern, work through the questions together:



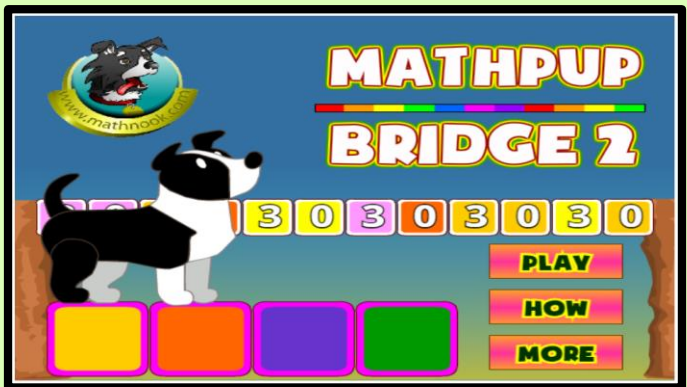
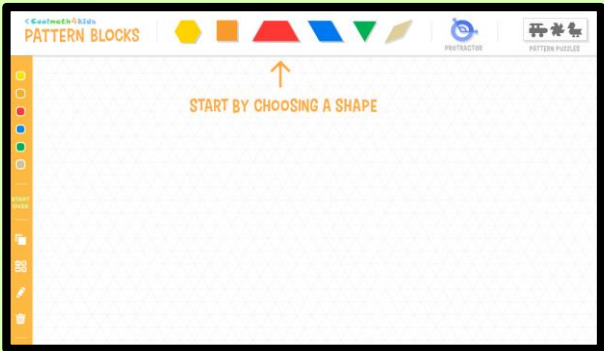
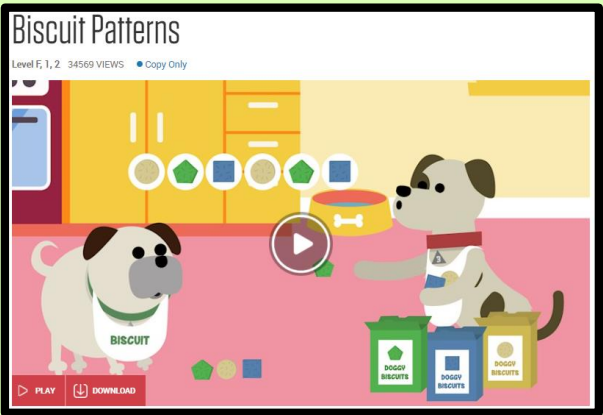
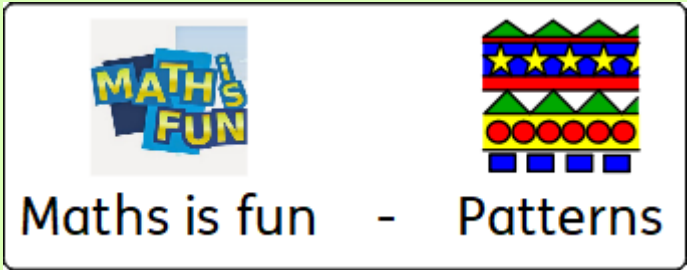
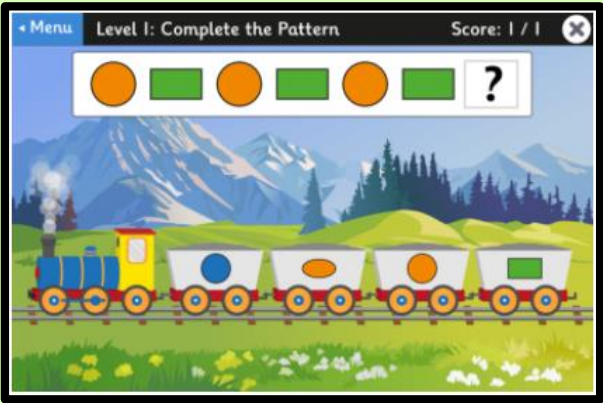
1. Can you say what you see?
2. Can you explain the pattern?
3. Can you predict what will come next after the last shape.
4. Can you draw the pattern and continue it for the next **6** shapes?

Comment on what your child is doing:

- I wonder what will come next.
- I can see you drawing a triangle.
- You have chosen 3 different colours, do they match the pattern?



Click on each picture to follow the link to different games.

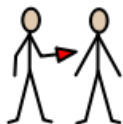




What



can



you

do



with



things

around the



house?



Washing line



Patterns

Find things around the house - how many different patterns can you make pegging them to the washing line?



Sort



your



socks

How many patterns can you make with all the socks you can find?





What



can



you

do



with



things

around the



house?



Decorating



biscuits

Make biscuits and
decorate them. Can
you create a pattern
with your decorations?

Click the link →



Recipe



Do

some



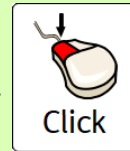
exercise

Can you create a pattern
of exercise moves?





Click on each box to follow the link to a website with useful information.



rich website - Patterns and sequences KS1

Information - Developing Pattern Awareness in young children.

Simple ways to teach patterns