

Maths Talk and Learn: Supporting White Rose Maths Alive in 5!

Zero

all gone none zero not zero 0

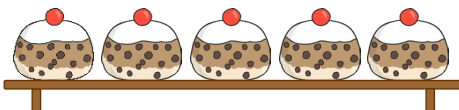
All of these pictures show 0.



How many ducks are in each pond? Which one shows 0?



How many buns are left in the baker shop at the end of the song 'Five Currant Buns in the Baker's Shop'?



Challenge Yourself:

- Sing 'Five Little Men in a Flying Saucer' and count back each verse until there are 0 little men left.
- Go on a hunt around the house to find different representations of 0, for example an empty biscuit tin or 0 on a cooking dial.

Find 0 to 5

count quantity different see same

Which of these show the same quantity? How do they show the number? What is the same and what is different about them?



Look at the stars on these picture cards. What do you see? Which do you think have '0' stars?

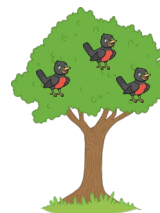
Which have 'not 0' stars?



Subitise 0 to 5

how many altogether subitise group

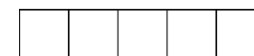
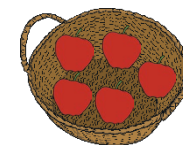
Can you say how many birds there are in each of these trees? Show the quantity on your fingers.



Represent 0 to 5

show represent different many count

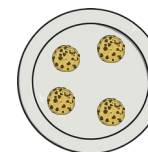
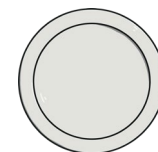
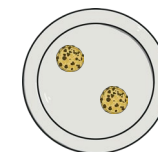
Which of these five-frames shows the number of apples in the first basket? Which of these five-frames shows the number of bananas in the second basket?



Which group of objects matches the number shown on the green dice? Which matches the yellow dice?



Teddy is adding labels to the plates of biscuits to show how many there are. Which plate is this label for?



Challenge Yourself:

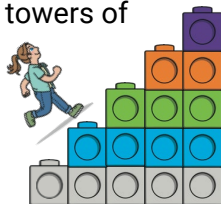
- Pretend one of your toys is having a birthday party. Can you draw 3 plates of party food? Can one plate have 4 items, one have 2 items and one have 0 items?
- Can you build a model with 5 bricks? What can you make with 3 bricks? What about with 0 bricks?

Maths Talk and Learn: Supporting White Rose Maths Alive in 5!

1 More and 1 Less

how many? 1 more 1 less 1 fewer
number after before

Sam is climbing stairs made of towers of interlocking cubes. What do you notice about the number of cubes? How does the quantity change?



How many butterflies are there on the flower? How many will there be if 1 butterfly more comes?



How many bees are there on the flower? How many will there be if 1 more bee comes?



Can you sing the song 'Five Green Bottles'? How many green bottles are left on the wall at the end of each verse?



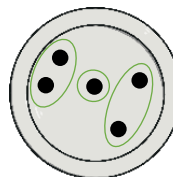
Challenge Yourself:

- Count some objects and then cover them with a cloth. Ask a grown-up to put their hand under the cloth and either take 1 object away or add 1 more. How many will there be now?
- Sing the 'Five Little Ducks' song and use your fingers to show 1 fewer duck each time until there are 0 ducks.

Composition 0-5

altogether whole part smaller

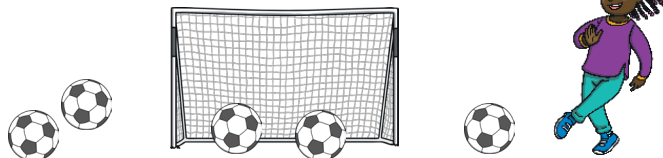
Look at the dots on this plate.
Which parts can you see?
How many are there altogether?



How many red jelly bears are there? How many green jelly bears? How many yellow jelly bears?
How many jelly bears altogether?
Which card shows the whole number?



Jan kicked 5 footballs. How many footballs went in the goal? How many missed? How many footballs are there altogether?



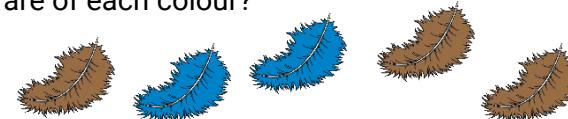
Challenge Yourself:

- Throw 4 or 5 balls of socks into a pan. How many socks land in the pan and how many land outside of the pan? How many altogether?
- Place up to 5 toys on the floor. Cover some with a blanket. Can you work out how many are hidden by looking at how many are visible?

Conceptual Subitising to 5

group describe combine notice subitise

Without counting, can you say how many feathers there are of each colour?



Jack threw some magic beans. Can you subitise how many are purple and how many are blue? Combine the 2 colours of beans. How many are there?



The bean seller also threw some magic beans. Can you subitise how many are red and how many are black? Does the bean seller have the same number of beans as Jack?



Challenge Yourself:

- Make balls by scrunching up paper. Make some of one colour and some of another. Take a handful and take a look. Say what groups you can see.
- Collect some green and some brown or yellow leaves. Make different arrangements of up to 5 leaves and subitise the groups of each colour.