

# Odds and Evens

## Guidance

The children begin to understand that quantities which can be shared into 2 equal groups with no items left over are even. Those which have one left over when they are shared into 2 equal groups are odd.

Encourage the children to notice this structure on the number shapes and by building pair-wise patterns on the 10 frames.

They can also explore odd and even by grouping quantities into pairs. Even quantities can be grouped into pairs and odd quantities will have one left on their own when they are grouped into pairs.



## Other Resources

Six Dinner Sid - Inga Moore  
Numberblocks Series 2 Episode 11 odds and Evens

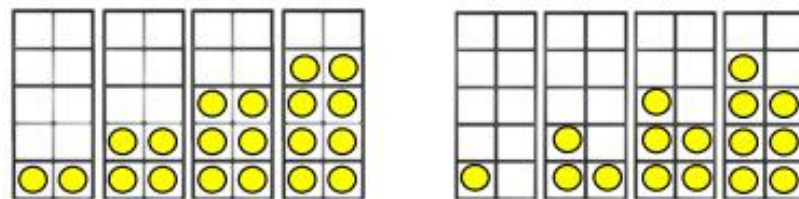
## Prompts for Learning



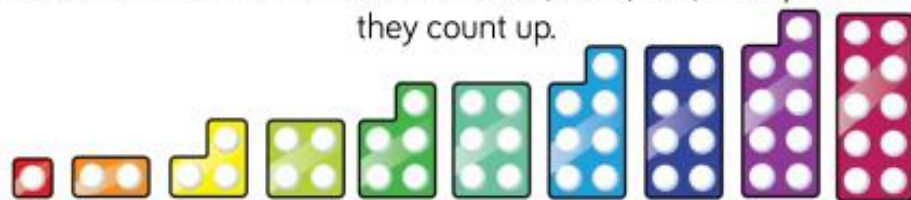
Encourage the children to investigate whether small quantities are odd or even by sharing into 2 groups or by making pairs. Prompt them to recognise that some numbers can be halved or grouped into pairs and some numbers will have one left over.



Ask the children to build pair-wise patterns on the 10 frames and sort them into those which have two equal groups (even numbers) and those which have two unequal groups (odd numbers). Make links to the earlier work on doubles and halves - which 10 frame patterns show doubles and halves and which do not?



The number shapes have a similar structure and can be sorted into odd and even in a similar way. Encourage children to line them up in order to allow children to see the odd, even, odd, even pattern as they count up.



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## Sorting

Provide pots of items containing quantities from 1 to 10. Ask the children to count the items in each pot and decide if there is an odd or an even quantity. How could they check? They might also make some odd and even sets of their own.



## Enhancements to areas of learning

## Feely bag



Place the number shapes into the feely bag. Ask the children to feel inside the bag and to find an odd number. How did they know it was odd? Can they find an even number?

## Outdoors

Ask the children to get into pairs ready for a game.

Are they able to do this?

Does that mean that there are an even number or an odd number of players?

If there are an odd number of players, how could the problem be solved?



## Modelling area



Take children for a walk to look at the house numbers on a nearby street. What do they notice? Encourage them to make their own model houses and line them up in order on the odd and even sides of the street.