

## Counting in Twos

### Adult Guidance with Question Prompts



Children count on and back in twos from multiples of two. Children will need colouring pencils and number shapes for this activity.

What numbers are represented by the number shapes?

Is the sequence counting forwards or backwards?

What will come next?

How do you know?

Can you show me with number shapes?

Is the sequence counting forwards or backwards?

What numbers are missing from the sequence?

Can you continue the pattern on the section of the hundred square?

What pattern do you notice?

Is the sequence counting forwards or backwards?

What numbers are missing from the sequence?

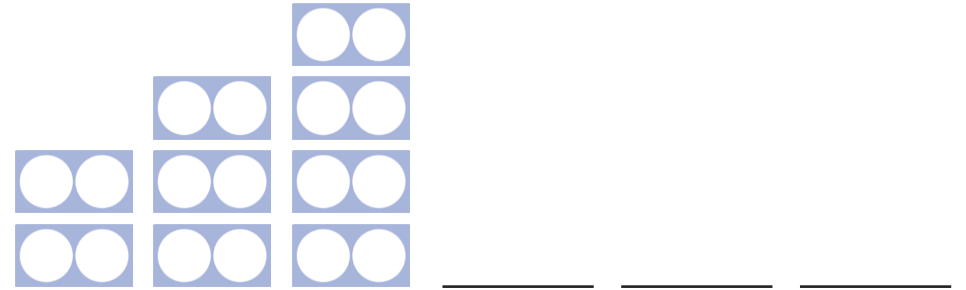
What was the same in these sequences?

What was different?

## Counting in Twos



Continue these sequences by counting in twos.



90, 92, 94, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

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

10, 8, 6, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

What do you notice?

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Children count on and back in twos to solve a problem. Children will need concrete equipment and a number line to 30 for this activity.

**What numbers will you say if you count in twos from 8 to 28?**

**Can you show me on a number line?**

**Did you say 16?**

**Did you say 32?**

**Why not?**

**How do we know if a number is odd or even?**

**Which numbers will you say when you count in twos from zero?**

**Look at the numbers. Are they odd, even or a mixture of both?**

**How do you know?**

**Can you show me with number shapes that all the numbers are even?**

**Do you think that this would always be true if you continued counting? Why?**

## Counting in Twos



Amira says,



When I count in twos from 8 to 28, I will say the numbers 16 and 32.

Do you agree with her?  
Prove it using a number line.

When I count in twos from 0, I will only say even numbers.



Is she correct? Prove it using equipment.

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Children count on and back in twos to explore the numbers of monkeys at the zoo. Children may find it useful to use equipment such as number shapes to help them investigate different possibilities.

Could there be 24 monkeys at the zoo? Why not?

What equipment could you use to help?

What do you need to remember about how many monkeys are indoors?

Where would be a good place to start to make sure you work systematically to find all the answers?

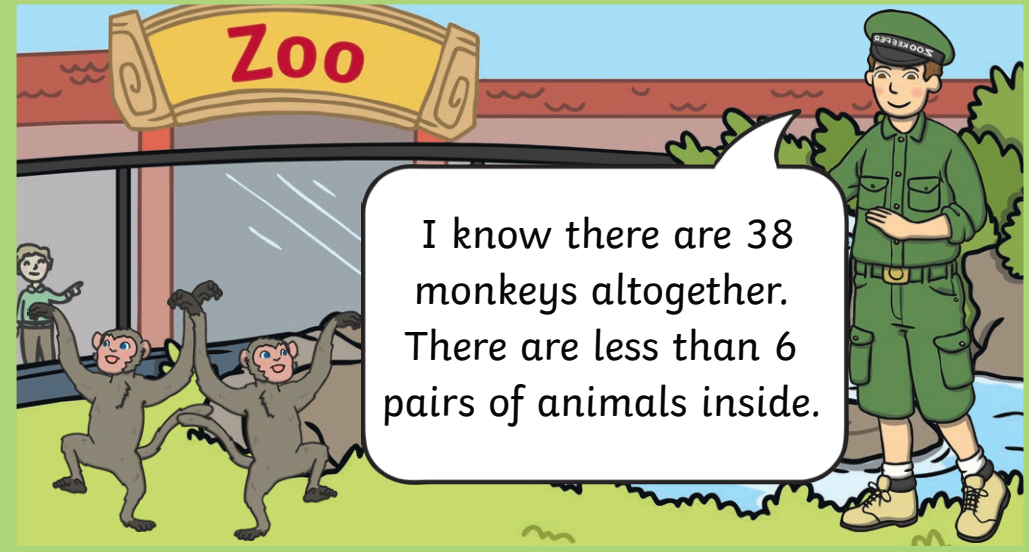
Is Lesley correct?

How do you know? Show me with equipment.

## Counting in Twos



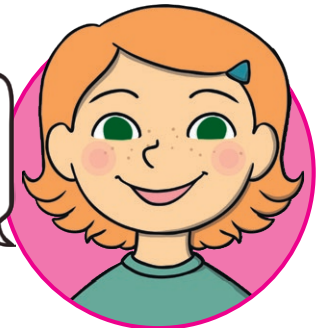
Zac is feeding his pairs of monkeys at the zoo. He wants to find out how many monkeys are inside and how many monkeys are outside.



Use the clues to find out how many monkeys are inside and how many monkeys are outside.

Lesley is counting in twos.

Two less than forty-eight is fifty.



Is Lesley correct? Prove it.