

# Discussion Problems

## Step 8: Count in 2s

### National Curriculum Objectives:

Mathematics Year 1: (1N1b) [Count in multiples of twos, fives and tens](#)

### About this resource:

As this resource is aimed at Year 1, we recommend that an adult reads the problem to children who cannot yet access it for themselves.

This resource has been designed for pupils who understand the concepts within [this step](#). It provides pupils with more opportunities to enhance their reasoning and problem solving skills through more challenging problems. Pupils can work in pairs or small groups to discuss with each other about how best to tackle the problem, as there is often more than one answer or more than one way to work through the problem.

There may be various answers for each problem. Where this is the case, we have provided one example answer to guide discussion.

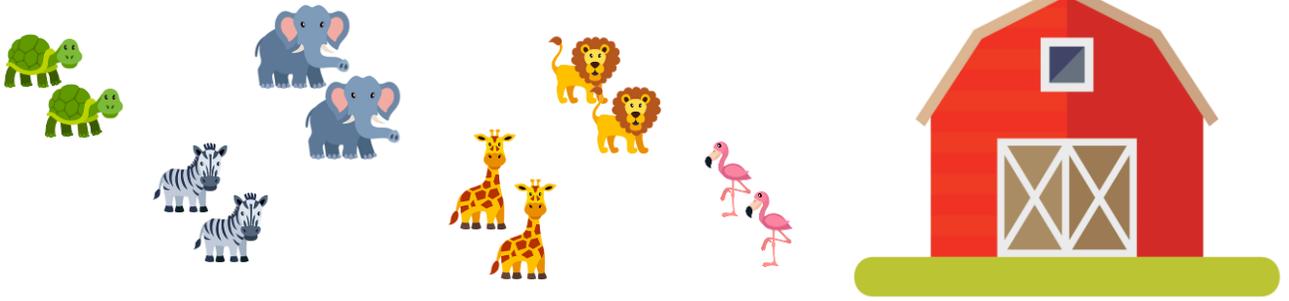
We recommend self or peer marking using the answer page provided to promote discussion and self-correction.

More [Year 1 Place Value](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

# Count in 2s

1. Ranger Bill is feeding his pairs of animals. He wants to find out how many animals he has in total. Some pairs are inside and some are outside.



I know that there are more than 30 animals altogether. There are less than 13 pairs of animals inside.

Use the clues to explore how many animals there are altogether and how many are kept inside.

DP

2. With a friend, play the Count in 2s game below.

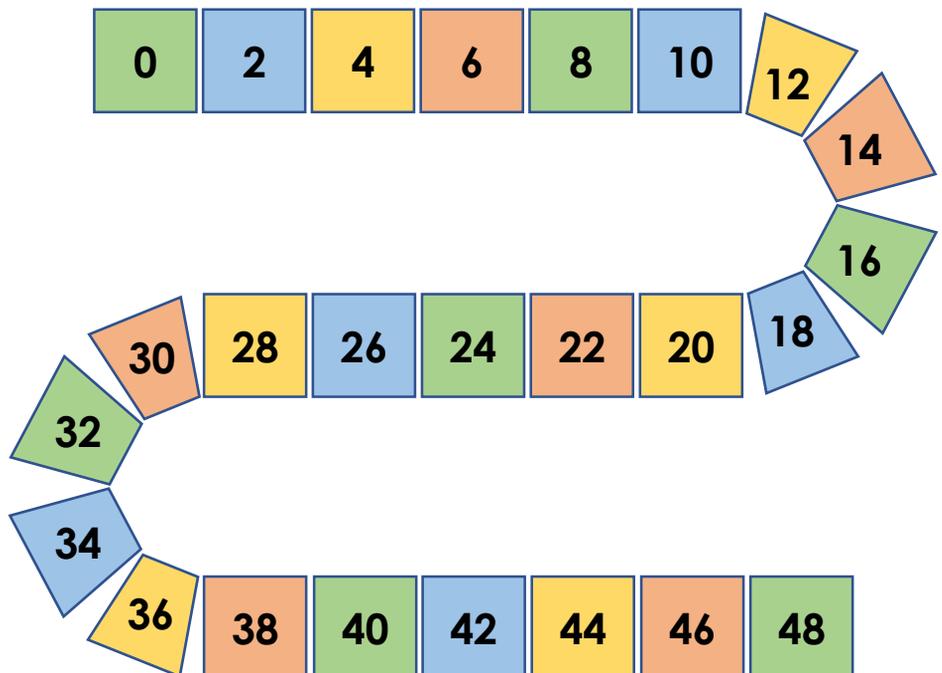
## Rules

Place your counter on 0.

Roll the dice to find out how many spaces to move your counter.

Count in 2s as you move.

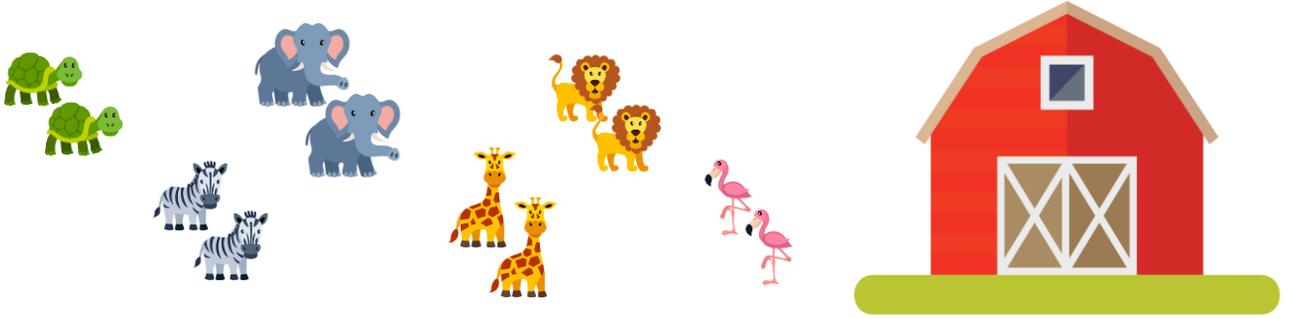
The first person to reach 48 is the winner.



DP

# Count in 2s

1. Ranger Bill is feeding his pairs of animals. He wants to find out how many animals he has in total. Some pairs are inside and some are outside.



I know that there are more than 30 animals altogether. There are less than 13 pairs of animals inside.

Use the clues to explore how many animals there are altogether and how many are kept inside.

**Possible answers:** 6 pairs (outside) + 10 pairs (inside) = 32 animals; 6 pairs (outside) + 11 pairs (inside) = 34 animals; 6 pairs (outside) + 12 pairs (inside) = 36 animals

DP

2. With a friend, play the Count in 2s game below.

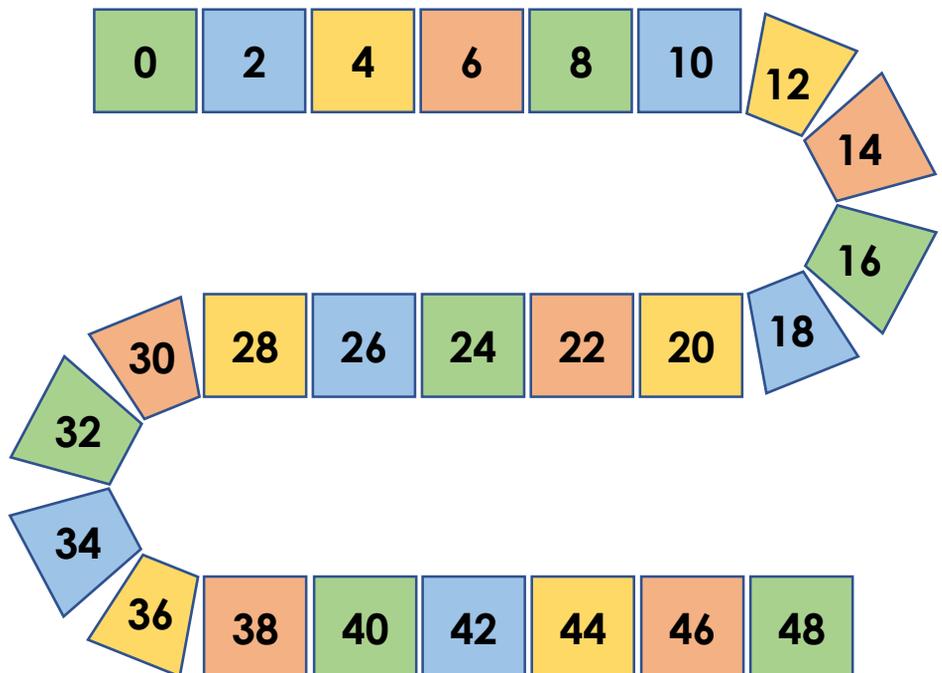
### Rules

Place your counter on 0.

Roll the dice to find out how many spaces to move your counter.

Count in 2s as you move.

The first person to reach 48 is the winner.



**Possible route:** player rolls a 6, 5, 3, 6 and 4.

DP