

Discussion Problems

Step 5: Making Doubles

National Curriculum Objectives:

Mathematics Year 1: (1C4) [Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems](#)

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 Multiplication and Division](#) resources.

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

Making Doubles

1. Fiona has a magic cookie jar. Every night while she sleeps, the number of cookies in the jar doubles.

If there is one cookie in the jar on Monday, how many cookies will be in the jar on Saturday?

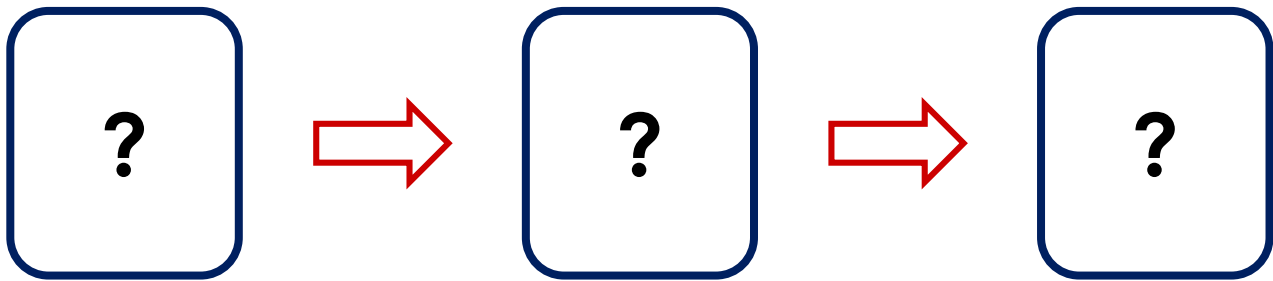


Use the table below to help you.

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Number of cookies						

DP

2. Eric thinks of a number. He doubles it, then doubles it again.



What happens if he starts with an odd number?

What happens if he starts with an even number?

DP

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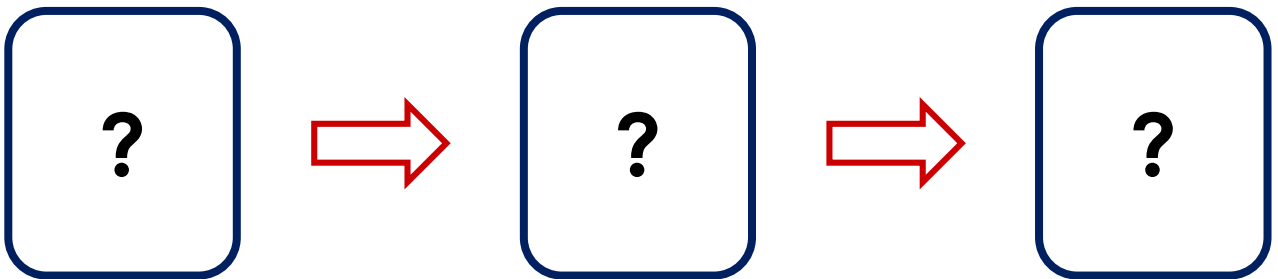


Use the table below to help you.

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Number of cookies	1	2	4	8	16	32

DP

2. Eric thinks of a number. He doubles it, then doubles it again.



What happens if he starts with an odd number?

If Eric starts with an odd number, he will end with an even number.

What happens if he starts with an even number?

If Eric starts with an even number, the numbers will remain even.

DP