Discussion Problems
Step 1: Halving Shapes or Objects

National Curriculum Objectives:

Mathematics Year 1: (1F1a) Recognise, find and name a half as one of two equal parts of an object, shape or quantity

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 and print the resource on A3 paper to aid investigation.

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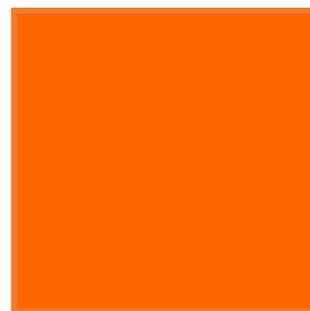
We recommend self or peer marking using the answer page provided to promote discussion and self-correction.

More Year 1 Fractions resources.

Did you like this resource? Don't forget to review it on our website.

Halving Shapes or Objects

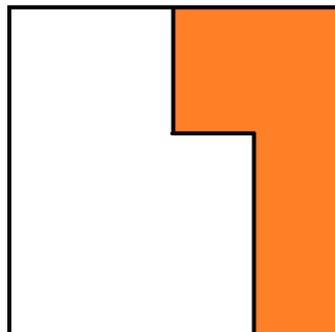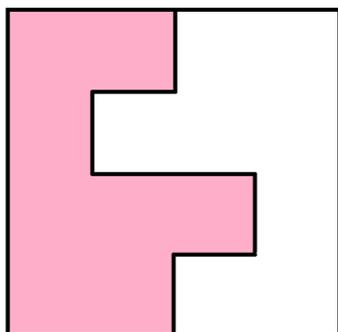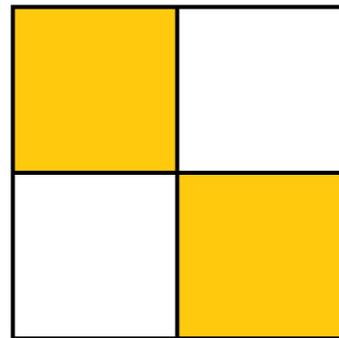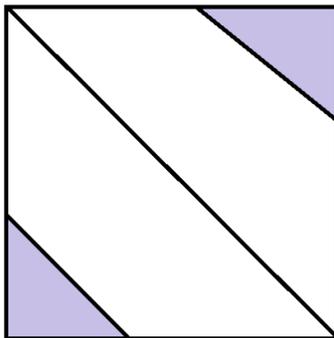**1. How many different ways can you halve the images below?**
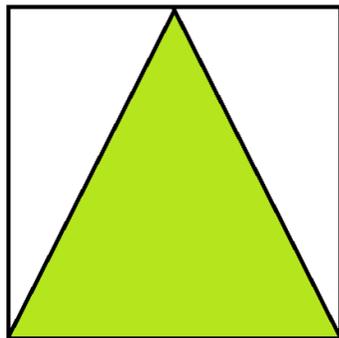

What patterns do you notice?

2. Max is finding different ways of representing half of a square.

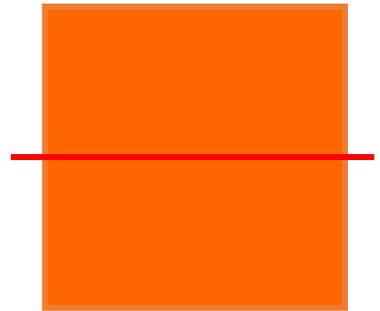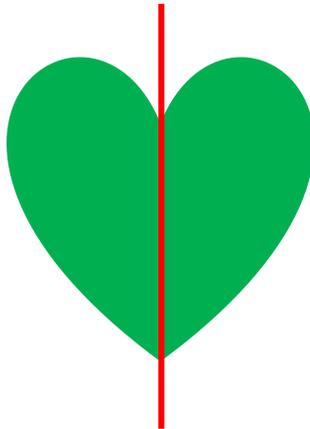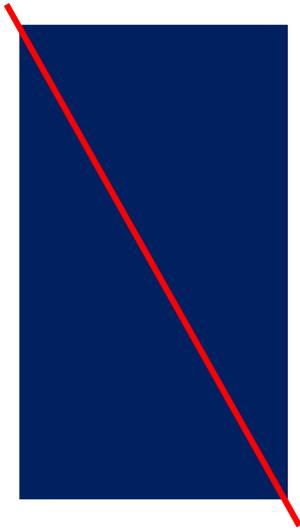**Cut out the shapes below to find which shapes have been halved equally.**

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Discussion Problems – Halving Shapes or Objects – Year 1

Halving Shapes or Objects

1. How many different ways can you halve the images below?

Various answers, for example:
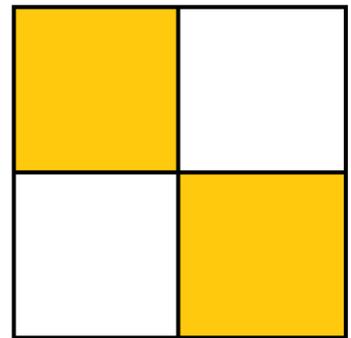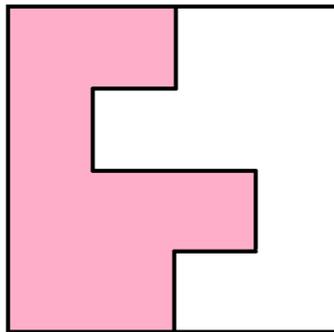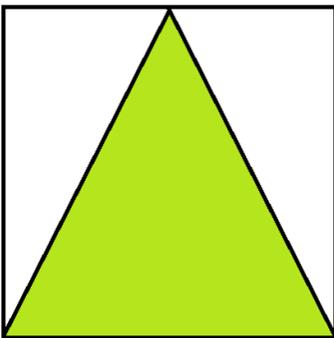

What patterns do you notice?

Various answers, for example: some shapes can be halved in more than one way.

DP

2. Max is finding different ways of representing half of a square.

Cut out the shapes below to find which shapes have been halved equally.

The following shapes have been halved equally:

DP

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Discussion Problems – Halving Shapes or Objects ANSWERS