## Basic Facts-Level 3-4 **Decimal Spotting**

You need 🚺 a photocopy of the Decimal Spotting number lines felt pens (a different colour for each player) a classmate

## Game

Gillian and Olaf are playing a game of Decimal Spotting.

Olaf chooses two digits from the box to make the top and bottom numbers of a fraction. The fraction must be less than 1, and each decimal on the number line can be used only once.



Olaf chooses 1 and 4 to make  $\frac{1}{4}$ . With his felt pen, he marks where  $\frac{1}{4}$ (0.25) would be on the number line.

1	2	3
4	5	6
8	9	10

Gillian has her first turn. She chooses 3 and 4 to make  $\frac{3}{4}$ (0.75) and marks its position with her felt pen.

In their next turns, Olaf chooses  $\frac{1}{2}$  and Gillian chooses  $\frac{1}{3}$ . 0 0.1 0.2 0.3 0.4 0.5 The number line looks like this: 0.6 0.8 0.9 1.0 0.7

The winner is the person who gets three of their marks in a row with none of their opponent's marks in between.

Play Decimal Spotting with a classmate.

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Converting fractions to decimals