

# Colour in Decimals

## Materials:

- A tens frame decimal mat for each player
- One special die, one labelled  $1/10$ ,  $1/100$ ,  $1/1000$ , on opposite faces and one ordinary die.
- Coloured pens
- Two to five players

## How to play:

Take turns to roll the two dice, make a decimal by multiplying the two numbers and colour in the equivalent of the decimal on the decimal mat (the whole mat is one whole).  
For example if a 2 and  $1/100$  are rolled you can then colour in  $2/100$ , though you may have to divide another tenth up into hundredths.  
If players are unable to use their turns they "pass" thus missing a turn.  
The first player to colour in their whole mat exactly wins.

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What is the mathematics?

Adapt / Make simpler / Extend:

## Teacher's role / Questioning:

Stop part way through, have children record their current decimal.  
Students can then order these numbers.  
Ask how what decimal they need to complete their mat.

Additional notes:

Related games:

