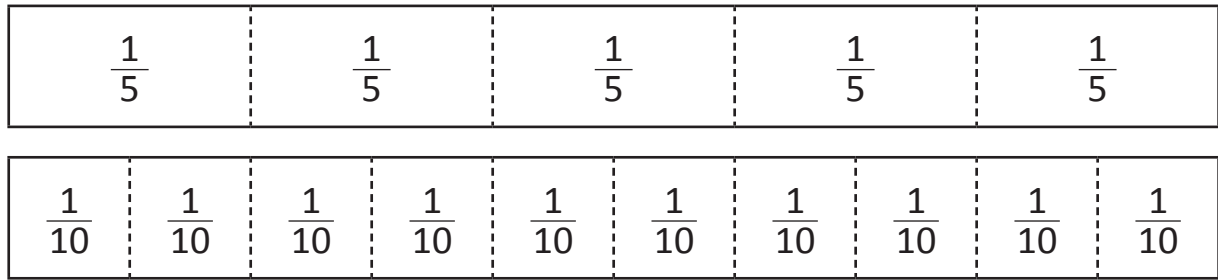
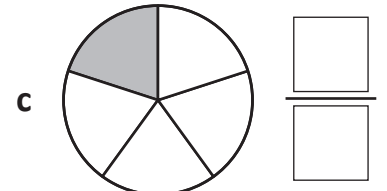
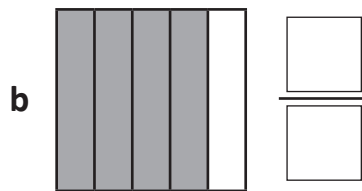
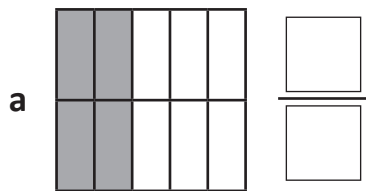


Types of fractions – fifths and tenths

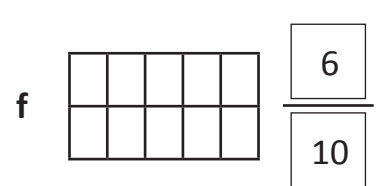
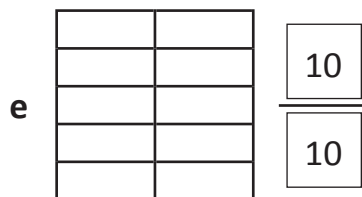
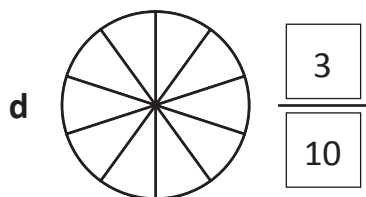
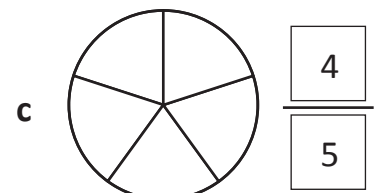
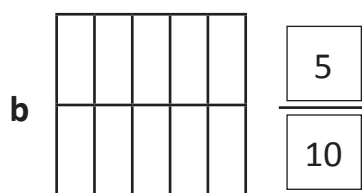
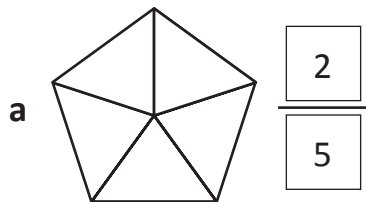
These fraction strips show fifths and tenths.



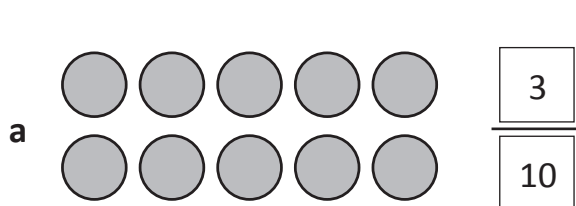
1 Label these fractions:



2 Show fifths and tenths on these shapes:

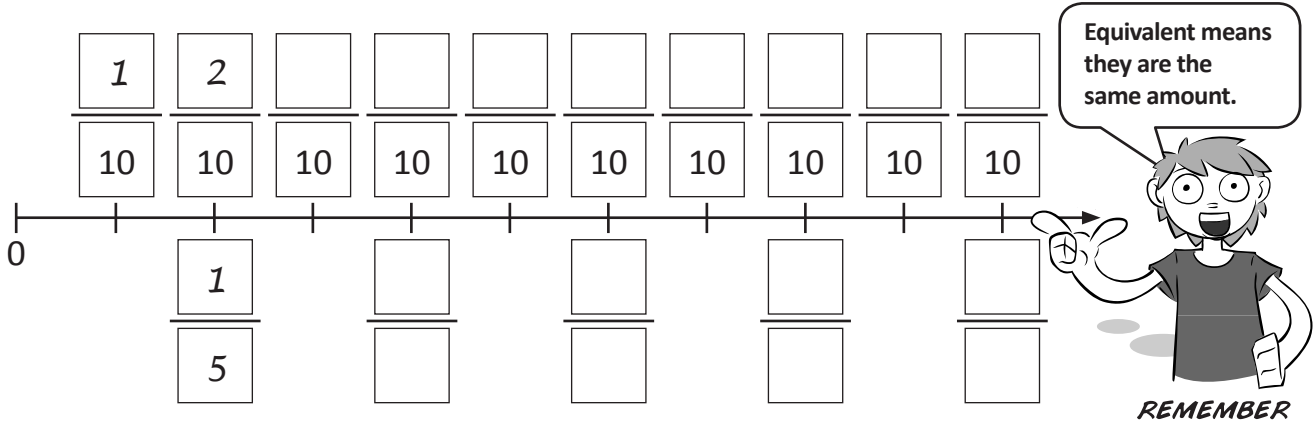


3 Circle the correct amounts shown in these fractions:

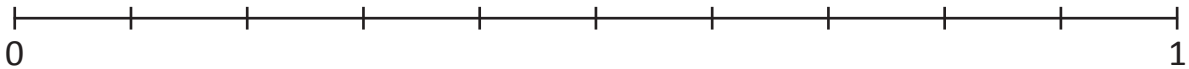


Types of fractions – fifths and tenths

4 Complete this equivalent fraction number line. The first two have been done for you.

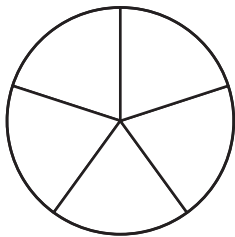


5 Place these fractions on the number line: $\frac{2}{5}$, $\frac{1}{2}$, $\frac{3}{10}$, $\frac{7}{10}$, $\frac{1}{5}$

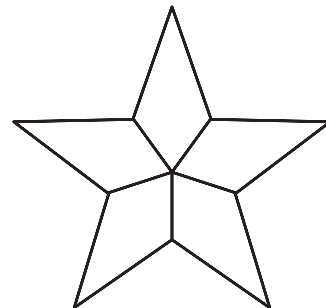


6 Colour these shapes according to the directions. The equivalent fraction line above will help you.

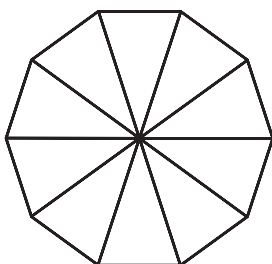
a Colour $\frac{1}{5}$ blue and $\frac{6}{10}$ red and leave the rest blank.



b Colour $\frac{2}{10}$ orange and $\frac{3}{5}$ green and leave the rest blank.



c Colour $\frac{3}{5}$ blue and $\frac{2}{10}$ red and leave the rest blank.



If a shape is divided into fifths I need to change the fractions to fifths.

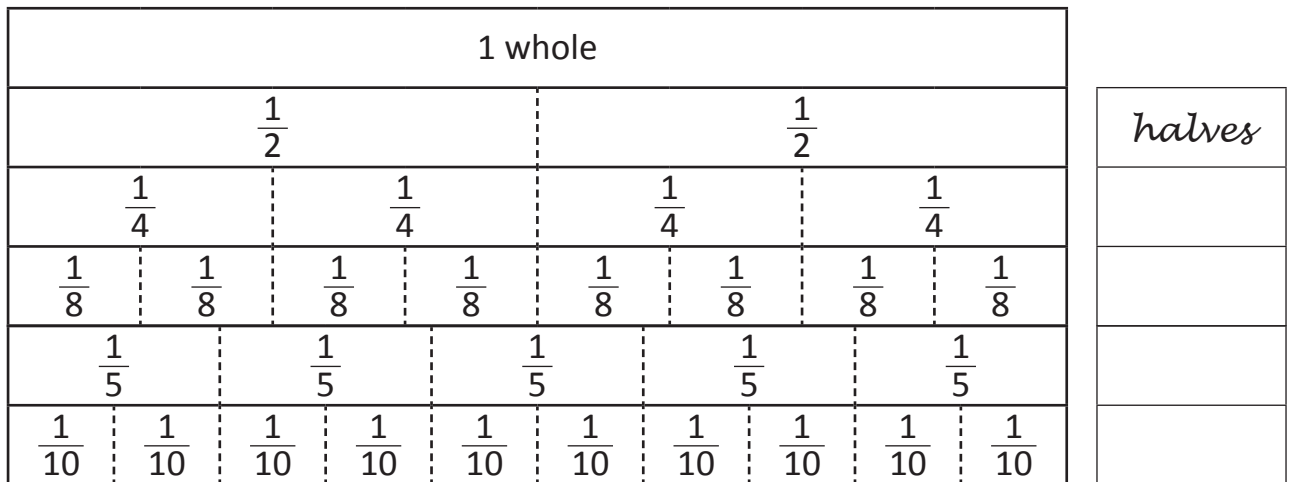
If a shape is divided into tenths I need to change the fractions to tenths.

THINK

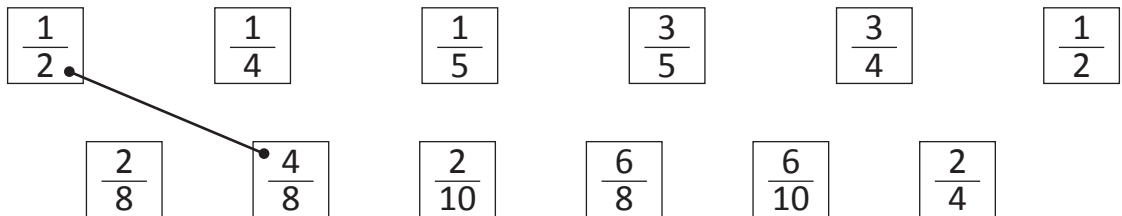
Types of fractions – equivalent fractions

This fraction wall shows fractions that are equivalent. Equivalent fractions are fractions that are the same amount. How many equivalent fractions can you find?

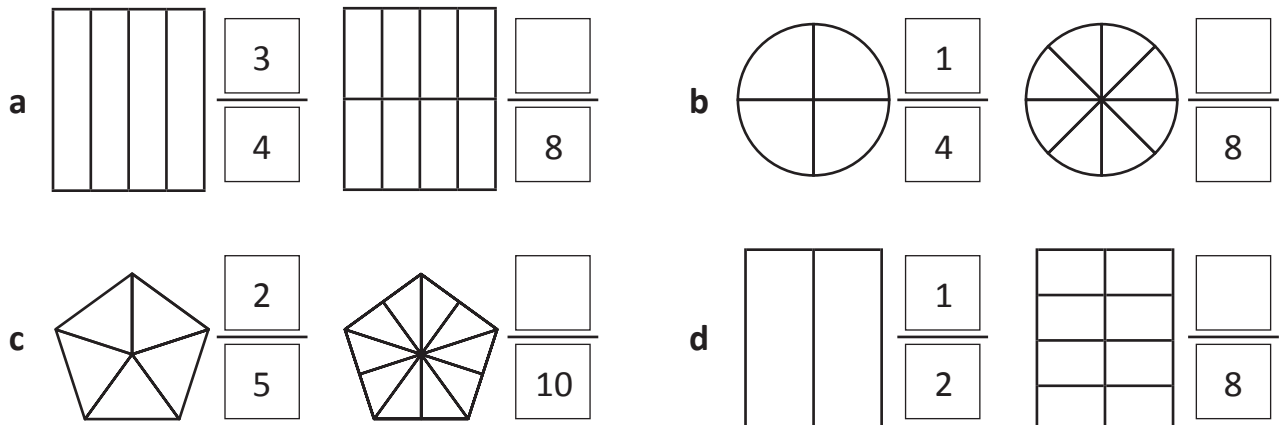
- 1 Label each row of the fraction wall and colour each strip a different colour. The first one has been done for you.



- 2 Match the equivalent fractions in the top row with the fractions underneath by drawing a line to connect them. The first one has been done for you.



- 3 Complete these equivalent fraction models by shading and writing the equivalent fraction:

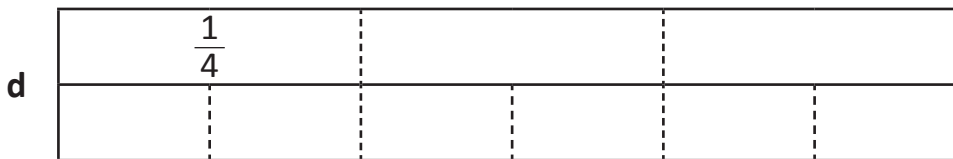
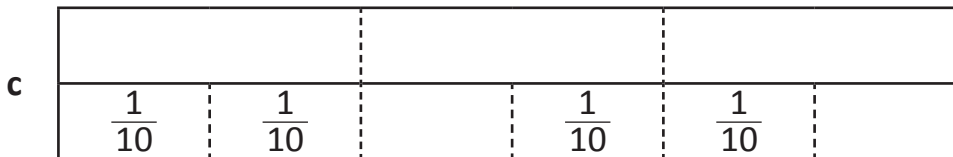
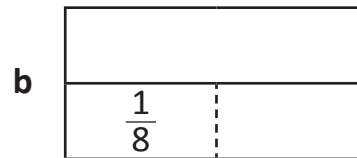
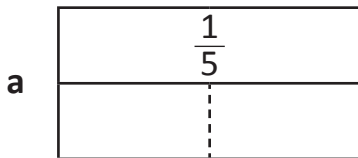


Types of fractions – equivalent fractions

4 Rewrite these fractions in order from smallest to largest:

4	9	7	2	3
5	10	10	5	10

5 Here is a fraction wall that has been broken up into pieces. Label the pieces:



6 Match the equivalent fractions to find out an interesting animal fact:

Q: What is something that a rat can do for longer than a camel?

First word: A = $\frac{2}{4}$ T = $\frac{3}{4}$ L = $\frac{1}{5}$ S = $\frac{4}{10}$

Second word: U = $\frac{1}{5}$ H = $\frac{8}{10}$ I = $\frac{4}{10}$ W = $\frac{1}{2}$ T = $\frac{6}{8}$ O = $\frac{2}{8}$

Third word: A = $\frac{2}{10}$ T = $\frac{1}{5}$ E = 1 R = $\frac{8}{10}$ W = $\frac{1}{2}$

$\frac{2}{10}$ $\frac{1}{2}$ $\frac{2}{5}$ $\frac{6}{8}$

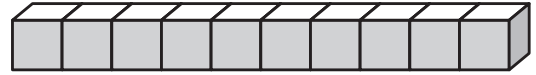
$\frac{4}{8}$ $\frac{2}{5}$ $\frac{3}{4}$ $\frac{4}{5}$ $\frac{1}{4}$ $\frac{2}{10}$ $\frac{3}{4}$

$\frac{5}{10}$ $\frac{1}{5}$ $\frac{2}{10}$ $\frac{10}{10}$ $\frac{4}{5}$

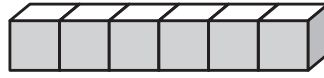
Types of fractions – tenths as decimals

Fractions can be written as decimals.

This row of multilink cubes shows 10 tenths:



$\frac{6}{10}$ can be shown like this:



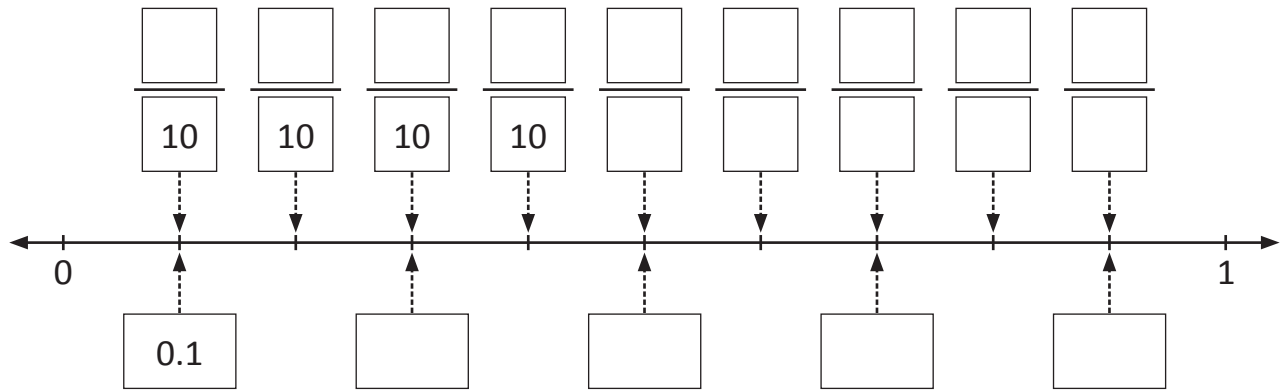
$\frac{6}{10}$ as a decimal is 0.6

Units	Tenths
0	6

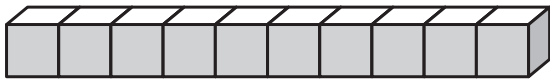


The decimal point separates the whole number from the decimal.

We would write 1 or $\frac{10}{10}$ as 1.0

1 Complete this number line showing equivalent tenths and decimals:

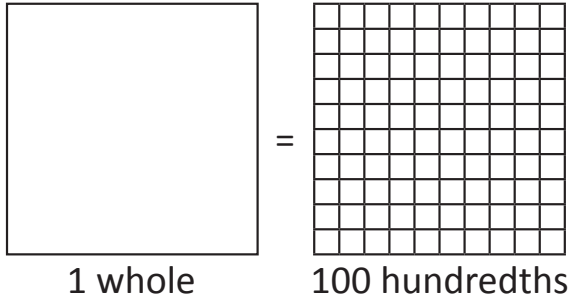


2 If a row of 10 multilink cubes is 1 whole, then label the other rows with a fraction and decimal:

	Fraction	Decimal
a 	$\frac{\square}{\square}$	\square
b 	$\frac{\square}{\square}$	\square
c 	$\frac{\square}{\square}$	\square

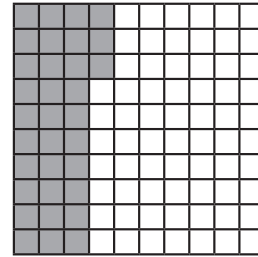
Types of fractions – introducing hundredths

We can divide a whole into one hundred parts. These are called hundredths.



This hundred grid shows 33 out of 100.

As a fraction it is $\frac{33}{100}$



1 Write what each grid shows part out of 100 that is shaded and record it as a fraction:

a

	out of	
--	--------	--

b

	out of	
--	--------	--

c

	out of	
--	--------	--

2 Shade these grids according to the fraction:

a

26
100

b

37
100

c

75
100

d

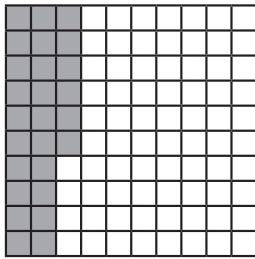
95
100



3 Order the fractions from question 2 from smallest to largest:

Types of fractions – hundredths as decimals

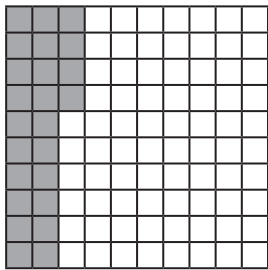
This diagram shows 26 hundredths shaded or $\frac{26}{100}$



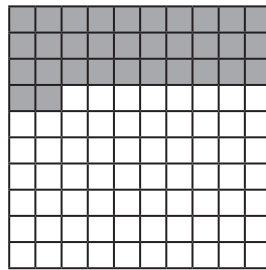
Fractions can be written as decimals.
As a decimal, this amount is written as:

Units	Tenths	Hundredths
0	2	6

1 Label each hundredth grid picture with the fraction and decimal:



a $\frac{\square}{\square}$ \square



b $\frac{\square}{\square}$ \square



$\frac{10}{100}$ is the same as $\frac{1}{10}$ which is the same as 0.1

2 Colour this grid of stars according to the directions below:

a Orange $\frac{22}{100}$

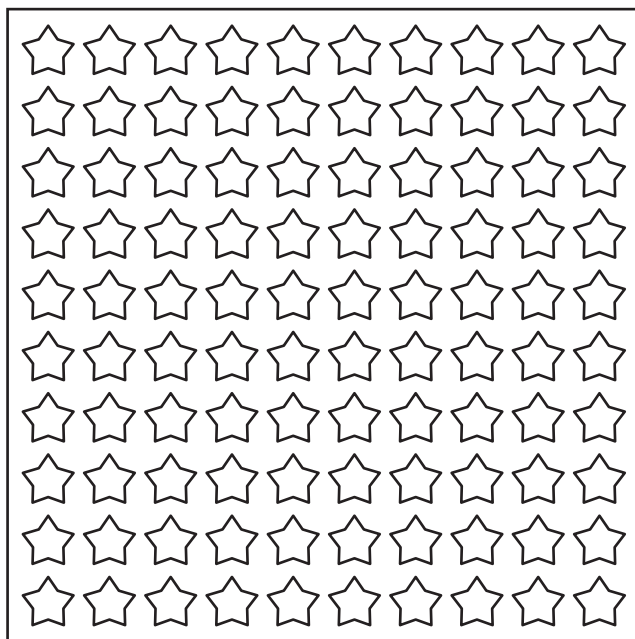
b Blue $\frac{12}{100}$

c Green $\frac{9}{100}$

d Pink $\frac{25}{100}$

e Yellow 0.15

f Red 0.17





Getting ready

This is a game for 2 players. Each player will need a copy of this page and a copy of the playing cards on page 21.



copy



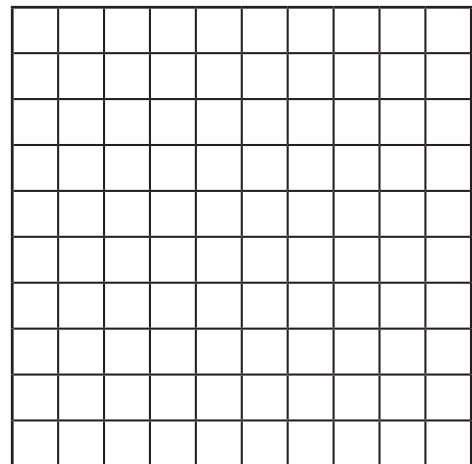
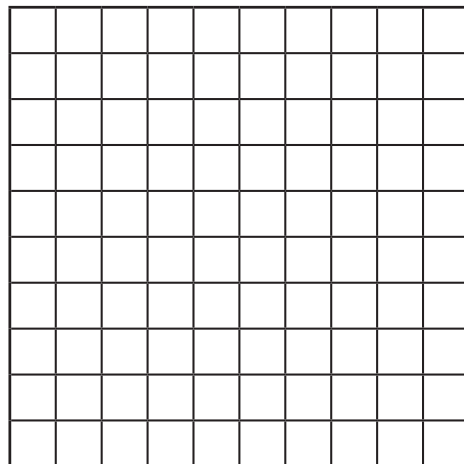
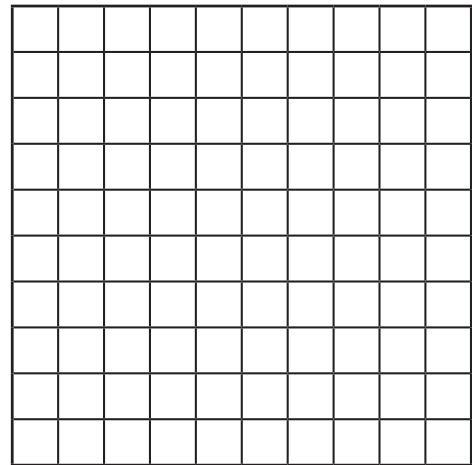
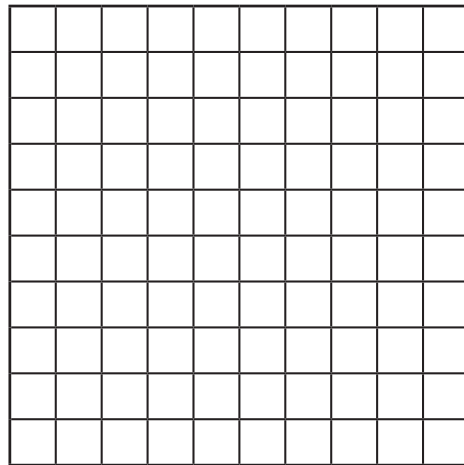
What to do

The object of this game is to be the first player to colour a whole grid. Each player cuts out the playing cards. The 2 players join the cards and shuffle them. There will be 24 cards. Lay 4 cards out in a row, ensuring both players can see them. The rest of the cards go face down in a pile.

Player 1 takes a card from the row of 4 and colours in that amount on one of their hundred grids. Then they put that card at the bottom of the pile and replace the card with one from the top of the pile.

Player 2 repeats this process.

Players take turns until 1 player has filled in 100 hundredths or 1 whole. (If you go over 100 hundredths or 1 whole, it does not count as a win. You must reach exactly 1 whole.)





$$\frac{1}{10}$$

$$\frac{20}{100}$$

$$\frac{3}{10}$$

$$\frac{40}{100}$$

$$\frac{1}{2}$$

0.6

0.7

$$\frac{80}{100}$$

$$\frac{9}{10}$$

0.25

$$\frac{75}{100}$$

$$\frac{60}{100}$$

$\frac{10}{100}$ is the same
as $\frac{1}{10}$ which is
the same as 0.1

