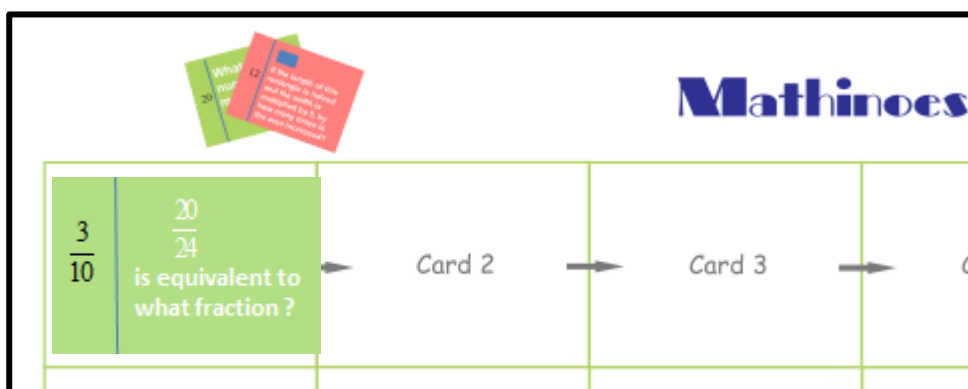




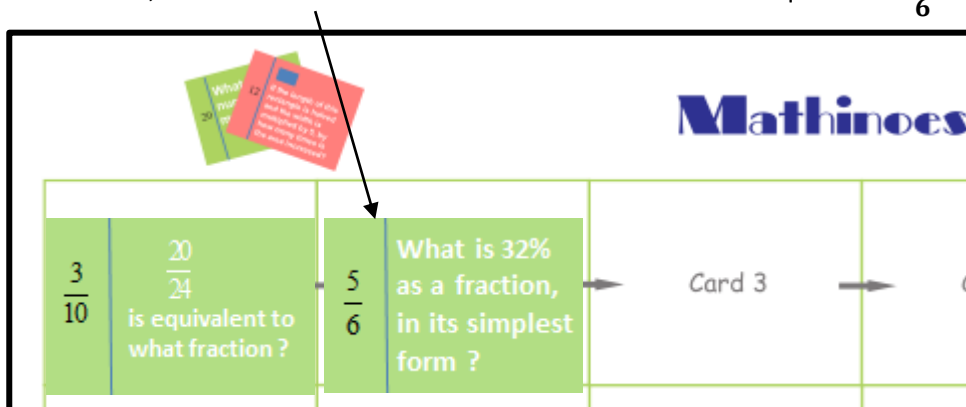
Tutor Guide to Playing Mathinoes

www.mathinoes.ie

1. You will need **one** Mathinoes Game Board, **one** game of Mathinoes and one **Instructions and Player Recording Page**. Also a pen and some paper for doing calculations/rough work. A calculator may or may not be used depending on the tutor decision.
2. Choose the Mathinoes Game you would like to play. For the purposes of this Guide we will demonstrate "**Fractions, Decimal, Percentages**" game.
3. Place all the Mathinoes Cards on a flat surface in any order.
4. Choose the card shown below and place it in the first box of the "**Mathinoes Game Board**", as shown below.



5. Find the Mathinoes Card which has the correct answer to this first question and place it on the Mathinoes Game Board, as shown below. In this case the answer to the first question is $\frac{5}{6}$.



6. A snapshot of the "Player Recording Page" is shown below.

Game Name : Fractions, Decimals and Percentages

Write Player(s) Name(s) here:

Write the names of the players here.

Write the $\frac{5}{6}$ here

Instructions:
 Find the card shown on the right and place it on the Mathinoes Board where it says "Place any card here".
 (Ignore the $\frac{3}{10}$. It is actually the answer to the very last question).
 Now find the card which has the answer to the question shown.
 When found, place that card on the Board where it says "Card 2".
 Write that answer in the box below where it says "Answer 2".
 Then find the card which has the answer to that card and continue on in this manner until all cards are correctly placed on the Board and all answers are written into the boxes below.

Answer 1 $\frac{3}{10}$	Answer 2 $\frac{5}{6}$	Answer 3	Answer 4	Answer 5	Answer 6	Answer 7
Answer 8	Answer 9	Answer 10	Answer 11	Answer 12	Answer 13	Answer 14

$\frac{3}{10}$ $\frac{20}{24}$
 is equivalent to what fraction?

7. Now find the answer for this card and place it at position 'Card 3' and write the answer here

Mathinoes

$\frac{3}{10}$	$\frac{20}{24}$ is equivalent to what fraction?	$\frac{5}{6}$	What is 32% as a fraction, in its simplest form?	Card 3	Card 4
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8. Continue in this manner until the final two cards are in place, as shown below and the "Player Recording Page" is fully filled in.

8	In the fraction $\frac{2}{7}$ The 7 is called the ...	Denominator	$\frac{3}{5} \times \frac{1}{2} = ?$
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Note the answer to this card is $\frac{3}{10}$ which is written on the first card at the start of the game.