

3 CLUCKS TO 100

3 Clucks to 100 is a fun calculator game which can be played by any number of players.

The aim of the game is to get to 100 from a given starting number within 3 'clucks'. This game helps to develop fluency with number facts up to 100.

Age range: 5th Grade+

Number of players: 1+

Learning: addition, subtraction, multiplication and division within 100; flexible thinking

You will need

- Each player will need a calculator
- a set of digit cards or playing cards (optional)
- a pencil and paper to record working out and solutions

Instructions

- Choose two playing cards (or digit cards) to make the 2-digit number and place the cards in any order under the turkey in the spaces provided. This is the starting number.
- The aim is to be the first player to get from the starting number to 100 in three **clucks**.
- Each **cluck** consists of
 - o An operator (+, -, x or ÷)
 - o A single digit number
 - o The equals sign (=)
- If a player manages to make 100 then they call out 'Cluck Cluck Cluck' and everyone stops. The player then demonstrates how they got from the starting number to 100 within 3 clucks. If they are correct then they win the game. If they are wrong then the game continues.

Examples: these examples show how you could get to 100 from different starting numbers in 3 'clucks'.

Starting number 27:	Starting number 63:	Starting number 12:	Starting number 41:
Cluck 1: $27 - 2 = 25$	Cluck 1: $63 - 4 = 59$	Cluck 1: $12 + 4 = 16$	Cluck 1: $41 - 7 = 34$
Cluck 2: $25 \times 4 = 100$	Cluck 2: $59 - 9 = 50$	Cluck 2: $16 \times 6 = 96$	Cluck 2: $34 \times 3 = 102$
	Cluck 3: $50 \times 2 = 100$	Cluck 3: $96 + 4 = 100$	Cluck 3: $102 - 2 = 100$

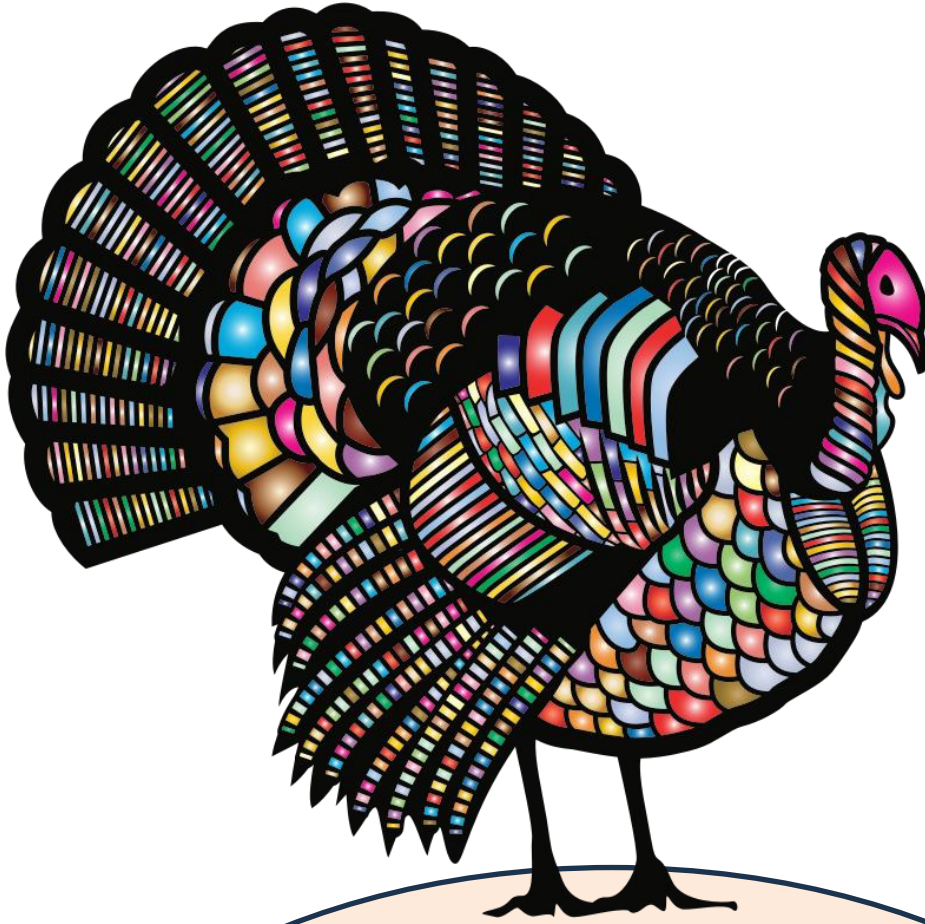
Note 1: there may be many different ways of getting from the starting number to 100 within 3 'clucks'.

Note 2: it is possible to get from any 2-digit number to 100 in 3 clucks.

Variations – if you want to change the rules

- Change the winning rule: give all the players a set time (e.g. 2 minutes) to get from the starting number to 100 in 3 clucks. Each player who manages to achieve this wins a point. The first player to 5 points is the winner.
- To make the game easier you could allow 4 clucks to get to 100 instead of 3.

3 CLUCKS TO 100



Can you
make it to
100 in 3
clucks?

Each cluck consists of:

- an operator
(+, x, - or ÷)
- a single digit
- the equals sign