

Fill Mrs Bilby's wagon

A counting game involving trading ones and tens to one hundred

Fill Mrs Bilby's wagon is a fun game that gives children practice in counting and subitising numbers to ten, and counting in tens to 100.

The game can be played with up to six children.

In addition to the game pieces included in this resource, you need one or two dice.

(Two dice gives the children extra practice with addition and moves the game along quicker. The game can be adjusted to suit the abilities of the players.)

The game scenario

Mrs Bilby needs help to fill her wagon with 100 eggs, ready to deliver on Easter Day. She packages her eggs in special boxes that hold ten eggs each. Ten boxes fill an egg tray to go into her wagon. Will you help Mrs Bilby fill her wagon?

Preparation

1. Print six copies of the gameboard *My egg tray* on different colours. Laminate.
2. Print six copies of the boxes of eggs on different colours. Cut to separate the boxes. Laminate.
3. Print the six baskets in colour. Cut out around each basket. Laminate.
4. Print the page of eggs in colour. Cut to separate the eggs. Laminate.

Setting up the game

Each child needs a basket and an egg tray.

Place the individual eggs in one bowl and the boxes of eggs in another bowl in the centre of the play area where all children can reach them.

How to play

Children take turns to throw the dice and collect the number of eggs thrown. They place their eggs on their baskets.

Their baskets hold only ten eggs. As soon as they get ten eggs they must be packed into boxes which are placed on their egg trays.

This requires them to trade the ten individual eggs (which they return to the bowl to be used again) for a box of ten eggs, which they then place on their egg trays.

The winner is the first to fill their egg tray by collecting ten boxes of eggs, 100 eggs in all, to fill Mrs Bilby's wagon.

Mathematical learning

During the game children will be involved in:

Subitising: the numbers on the dice, and the number of eggs in their baskets

Adding: the numbers if two dice are rolled, the number of eggs to their baskets

Counting: in ones the number of eggs in their baskets, in tens the number of eggs in their trays

Finding missing addends: how many more until I have ten, how many more boxes until I have ten boxes, until I have 100

Trading: ten ones for one ten

Mathematical discussion

If an adult is available, it is useful to ask children questions throughout the game; for example:

How many eggs do you have in your basket?

How many eggs do you have all together?

How many more eggs do you need to make another ten or fill another box?

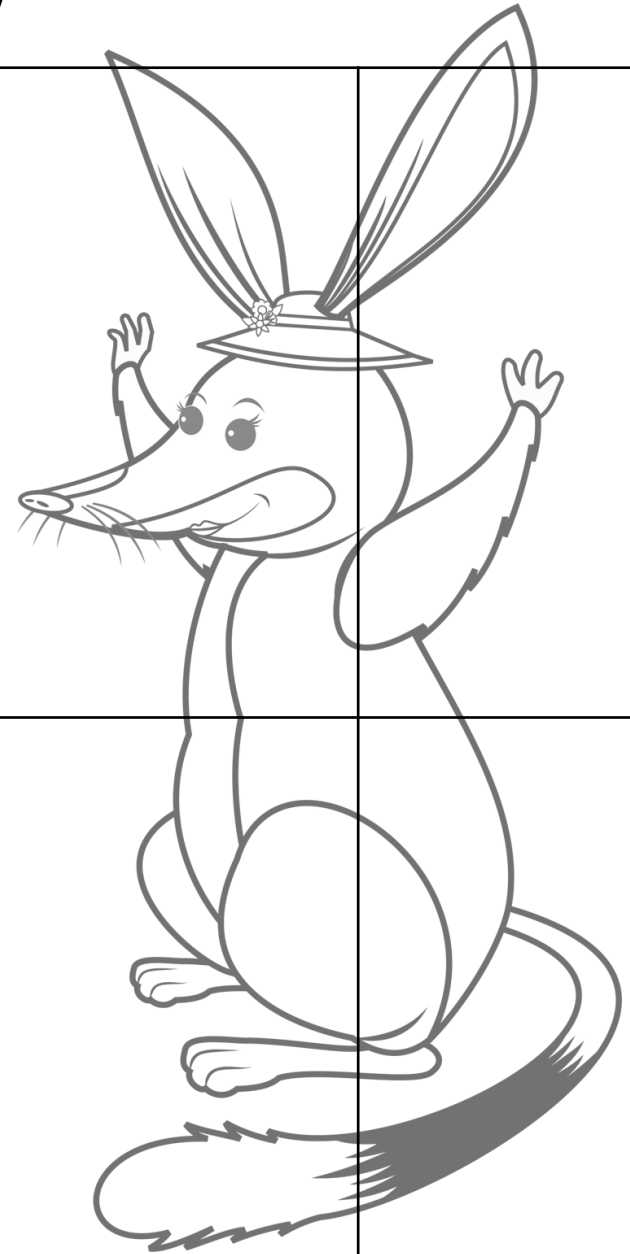
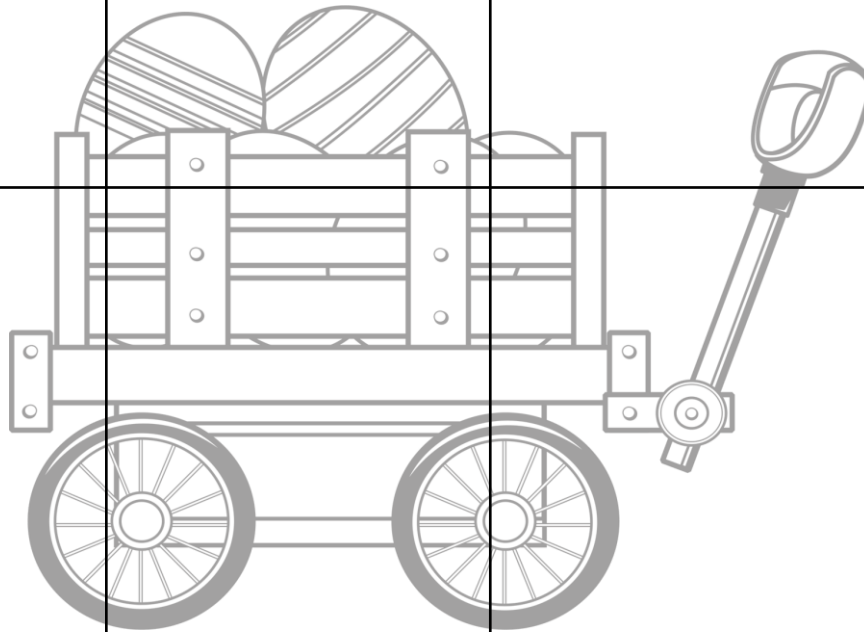
How many more do you need to have one hundred?

Who has the most eggs? or Who has the least eggs?

How many more does n have than n?

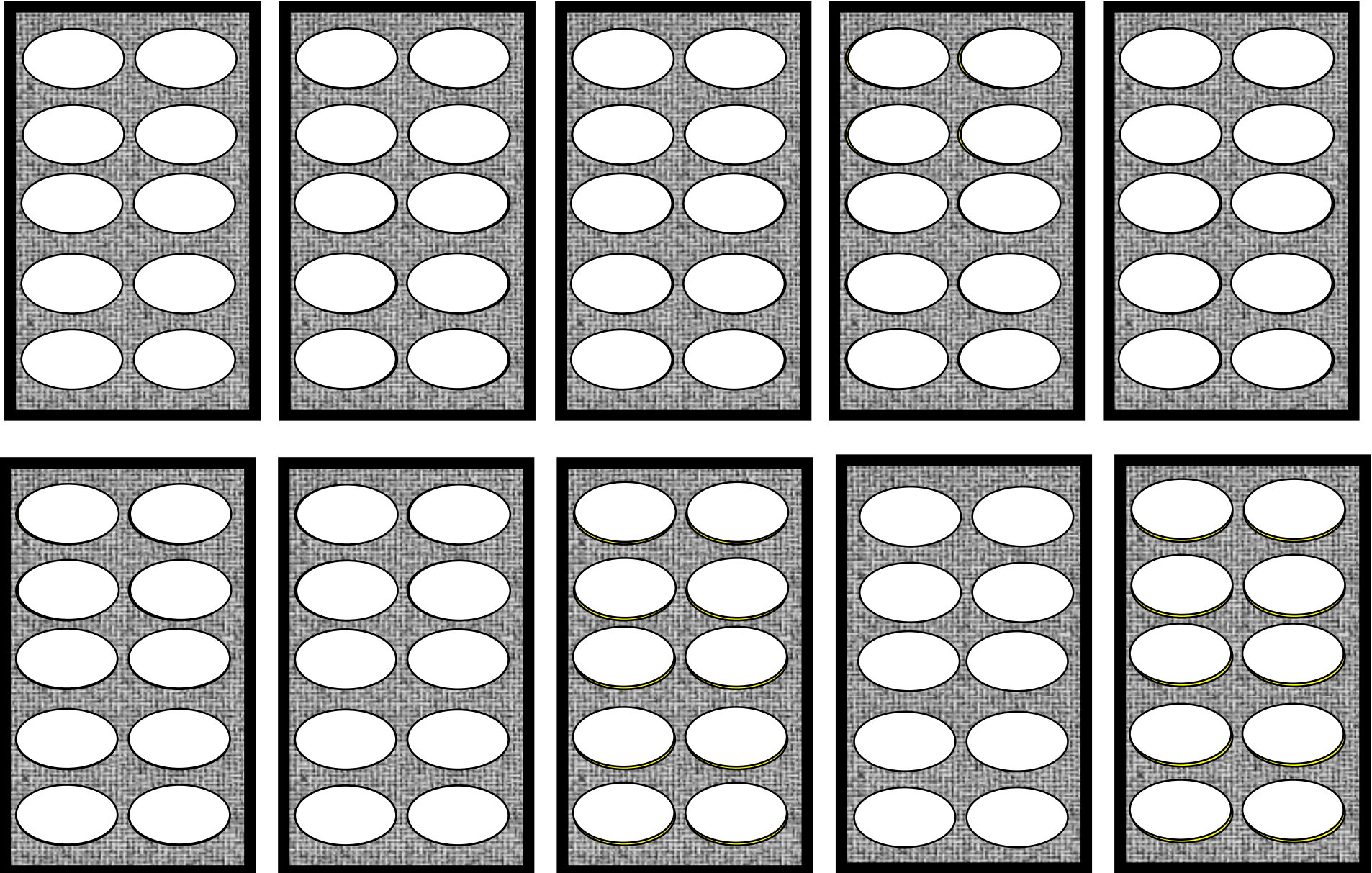


My egg tray



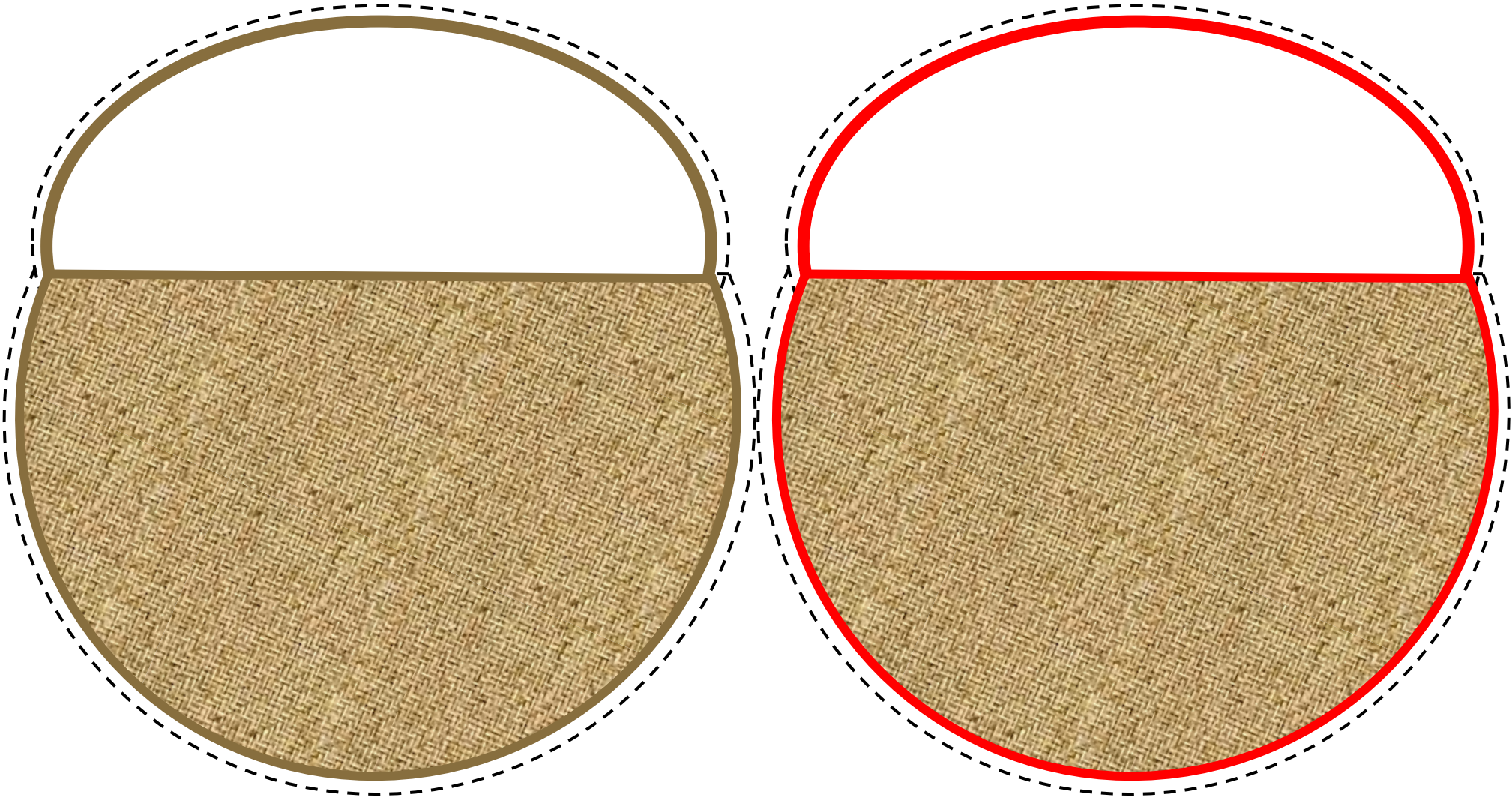
Boxes of eggs

Print 6 copies on sheets of different colours. Cut to separate each box of eggs. Laminate.



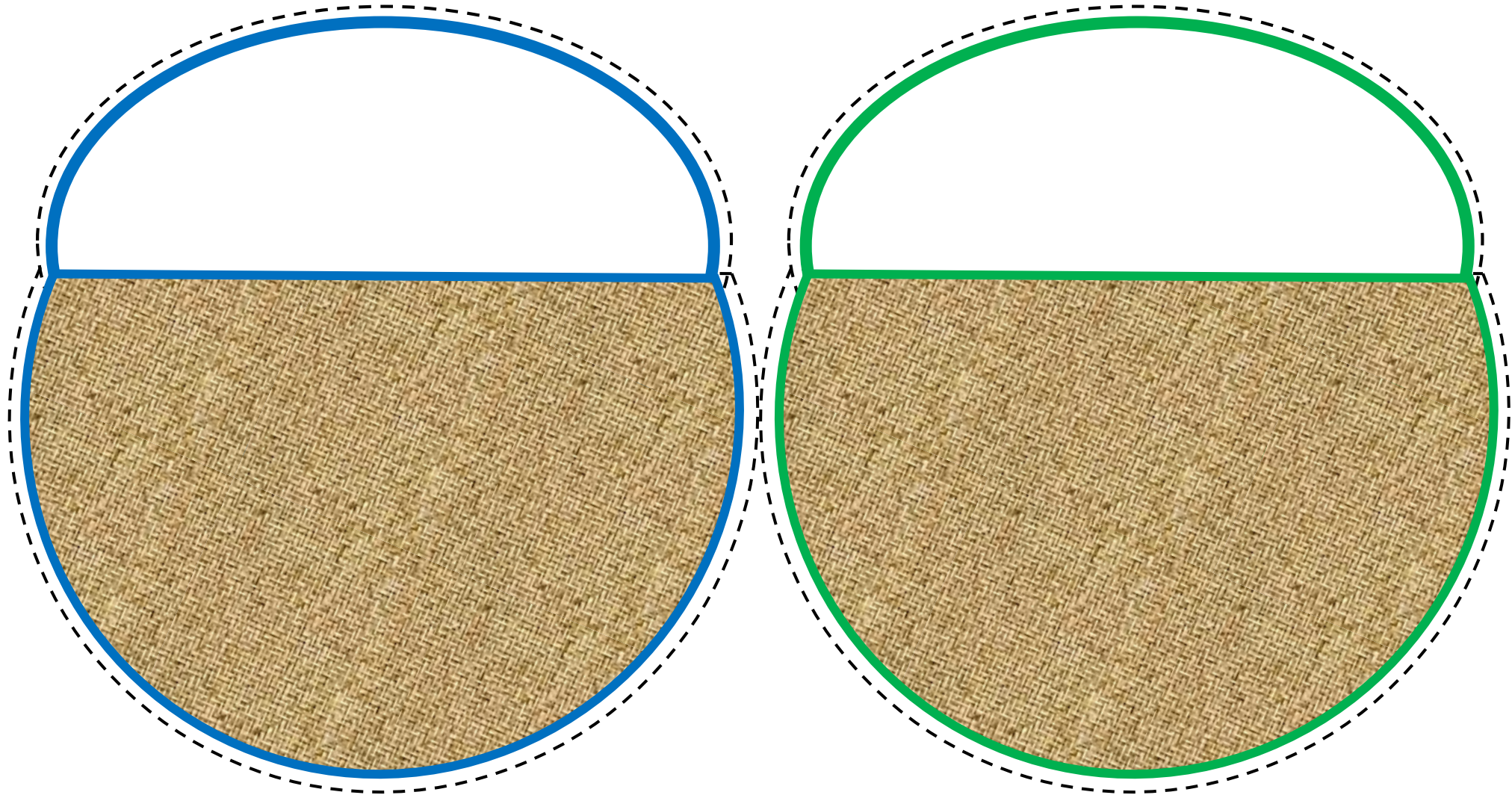
Players' baskets

Print in colour. Cut out around each basket. Laminate.



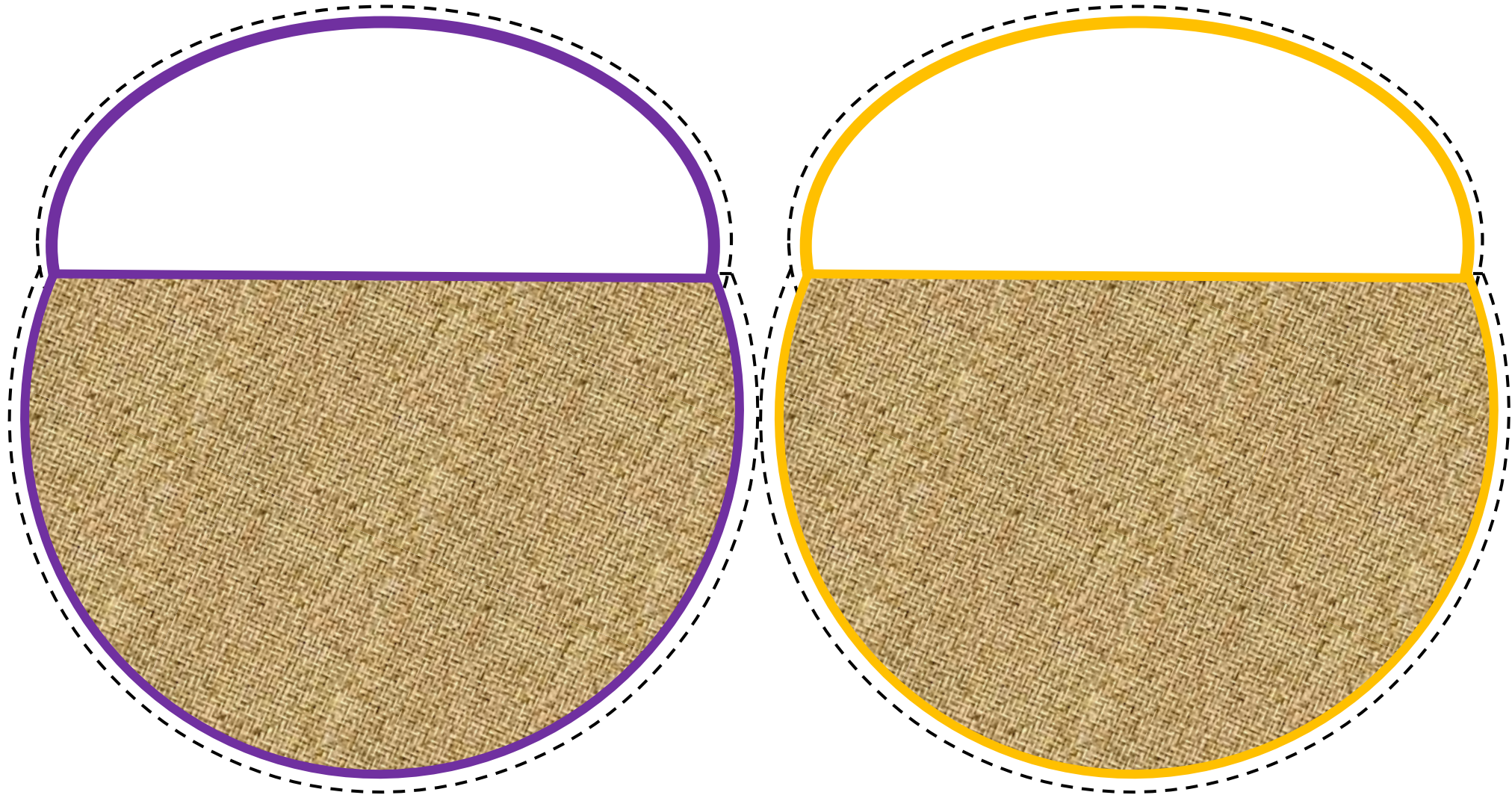
Players' baskets

Print in colour. Cut out around each basket. Laminate.



Players' baskets

Print in colour. Cut out around each basket. Laminate.



Eggs - Print in colour. Cut along dotted lines to separate. Laminate.

