Prime Colours – Spot it

Maths Topic

Multiplication Factors

Activity Length

10+ min

Player Number

1 - 6

Target Audience

8+ years

What you need to play

A deck of Prime Colours cards

Getting Started

Lay out the base numbers in a circle colours showing. Place the rest as a pack in the middle

Challenge

Find two base cards that, together, have the same combination of disks as the card in the middle

How to Play

To start the game, place the pack colour side up in the middle of the circle.

Players try to find exactly 2 cards that, together have the same disk combination as the top card on the pack.

The first player to get them (place their hands on both cards), wins the card at the top of the pack.
The winning player takes that card and play resumes as soon as the new card is visible

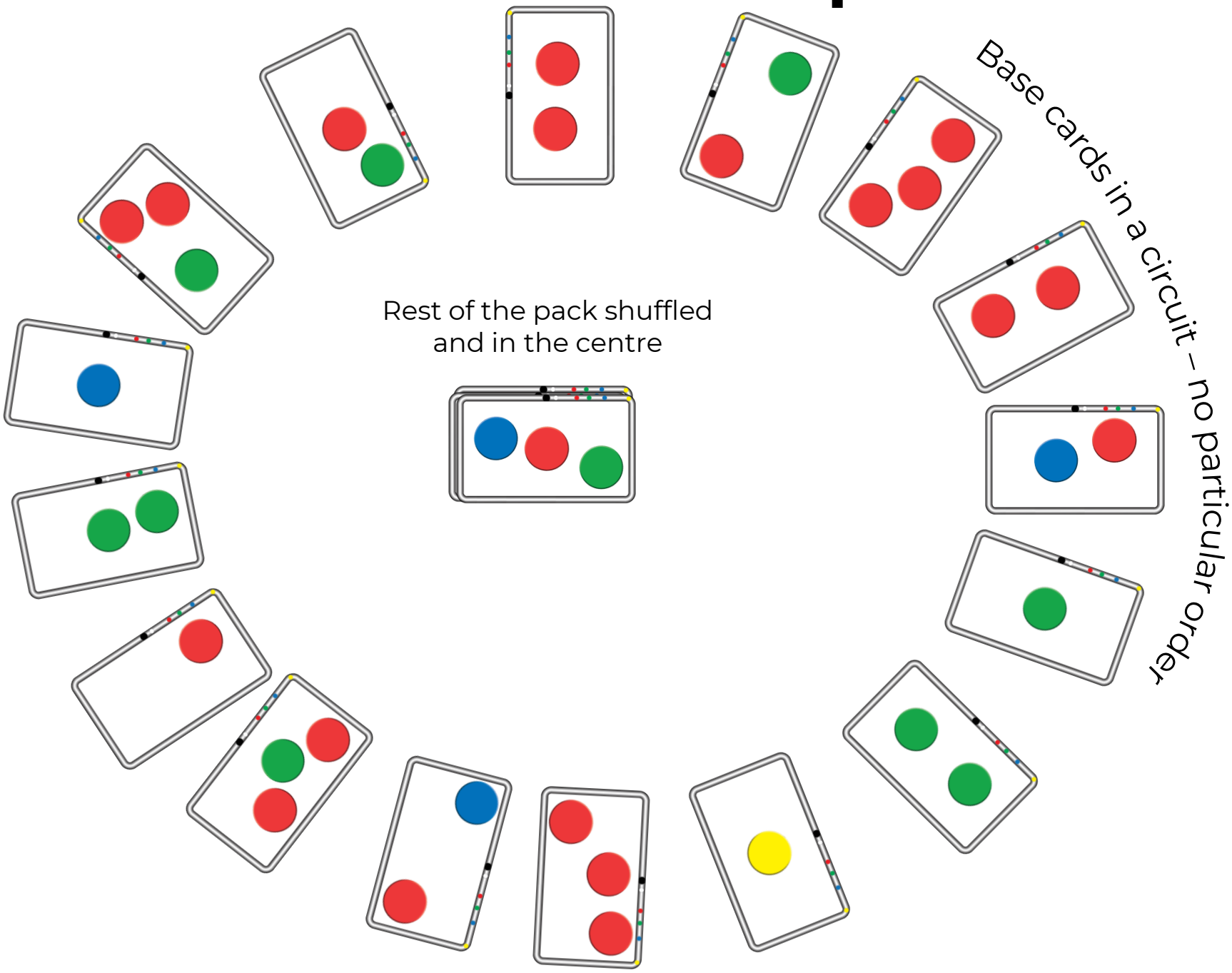
There will be some cards that can't be chosen using 2 base cards from one pack. In these cases call "can't be done"

Play modes

- Solitaire or competing players/teams
- Individuals or groups of 2 or 3

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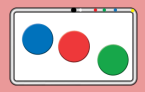
Stage 1
Layout



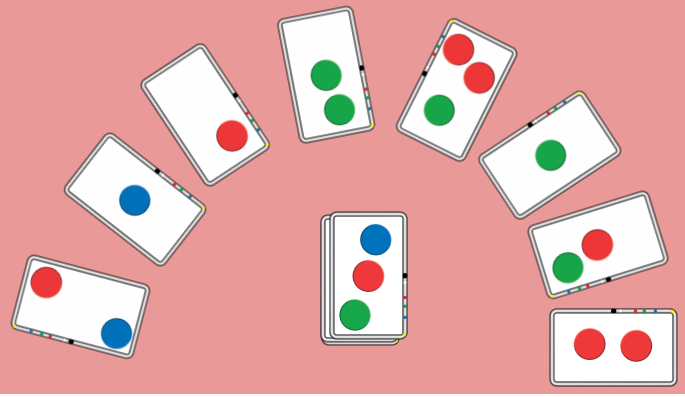
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Game Play

Card at top of pack



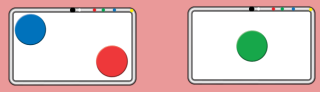
Look for 2 cards with a combination of a red, green and blue disk



Players could choose

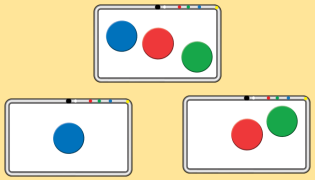


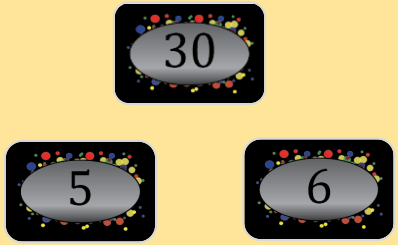
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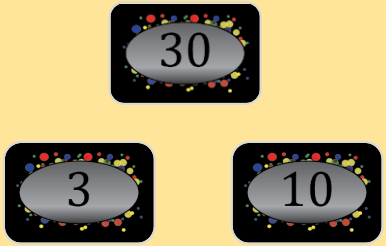


Investigation

The colours are related so we can check the relationship with the numbers





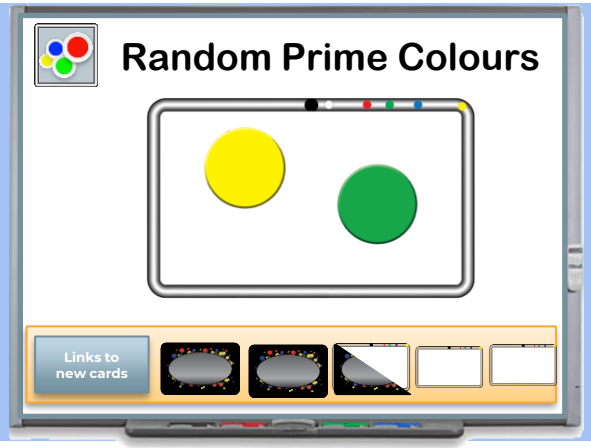


Find a card that can't be made with two base cards?

Why can't it be made?

Whole class Examples

Whiteboard



Whole Group Practice

Display a card on the board

Groups find 2 base cards that, together, have the same combination of disks.

Navigate to another card

Spot it – Optional resources

Modify the Rules

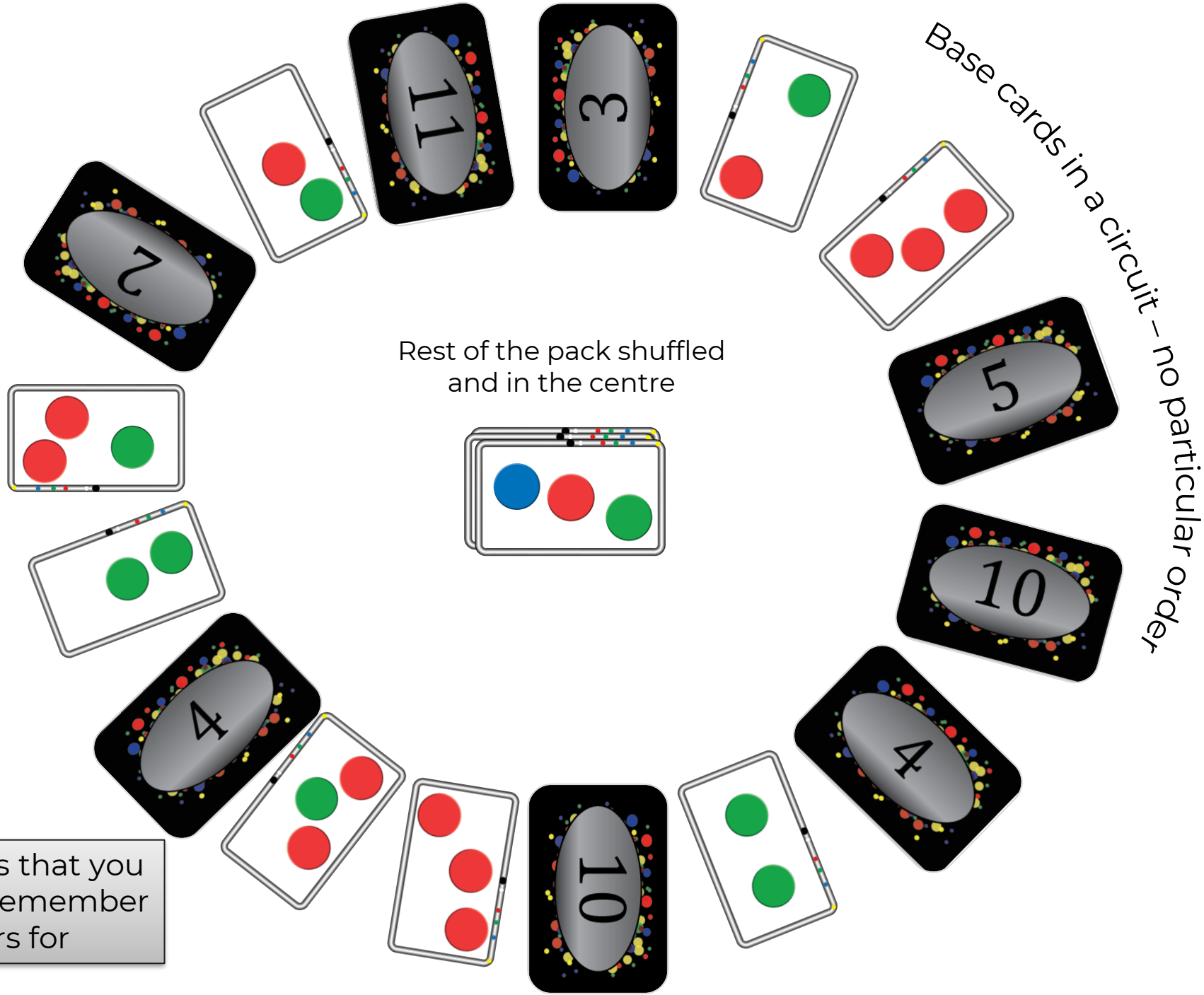
Create base numbers using counters

Use a different set of base numbers e.g. up to 6, 10, 15 or 20

Get students to hold up a card showing how many pairs of base numbers are possible

Prime Colours – Spot it

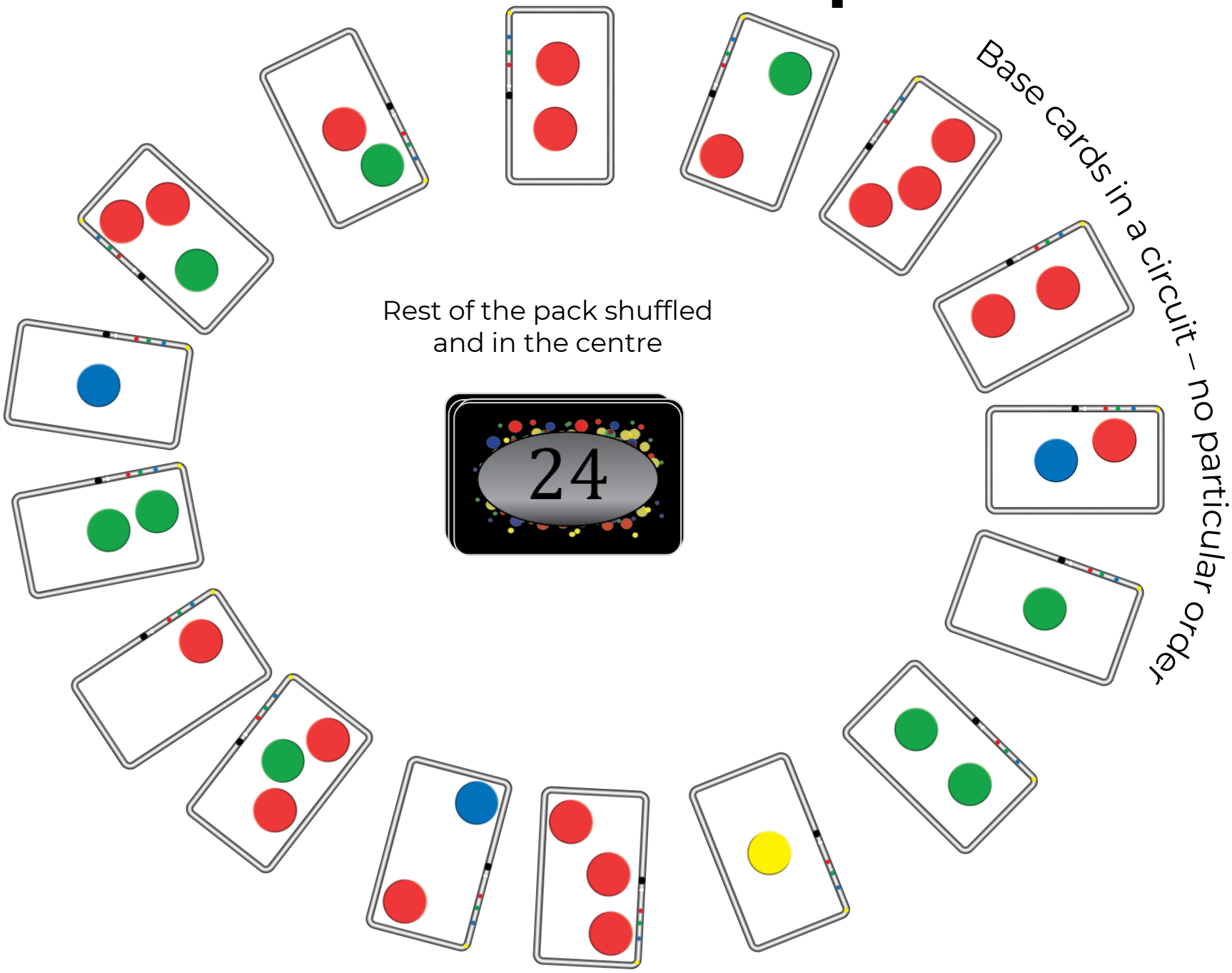
Stage 2 Layout



Turn over cards that you think you can remember the colours for

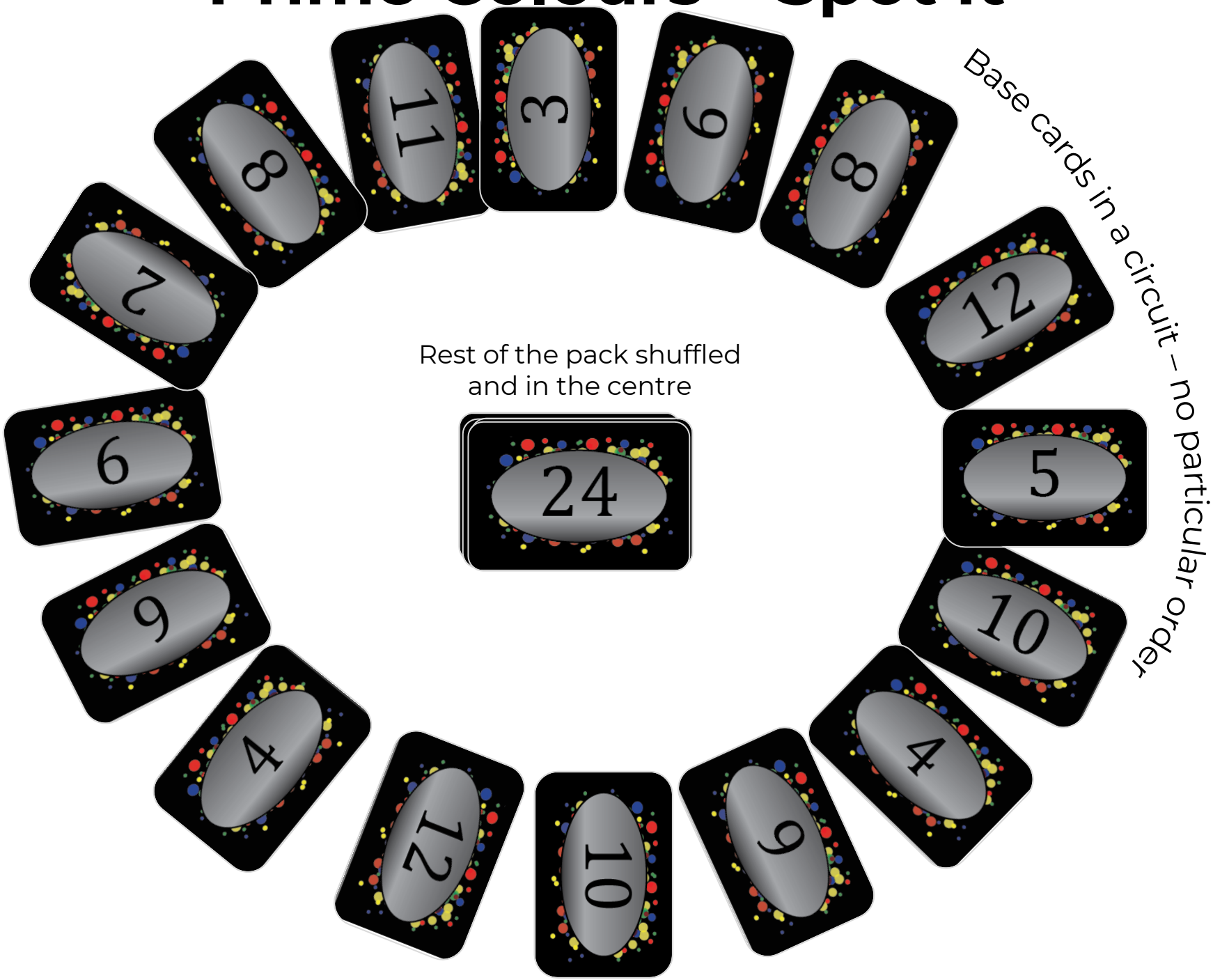
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Stage 3
Layout

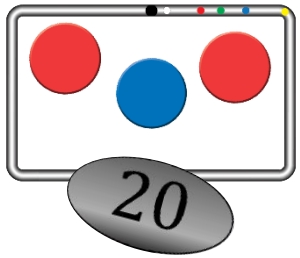


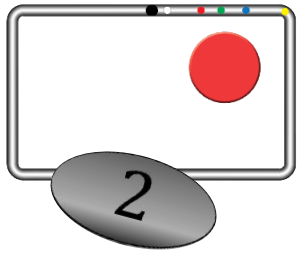
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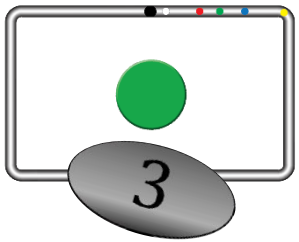
Stage 4
Layout

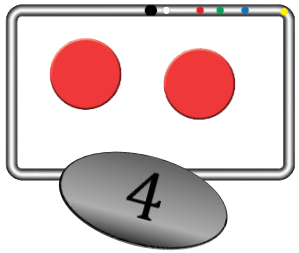


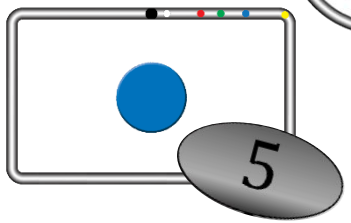


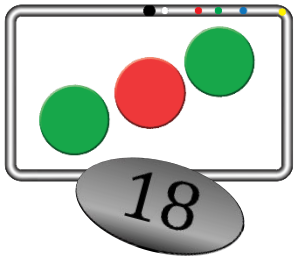


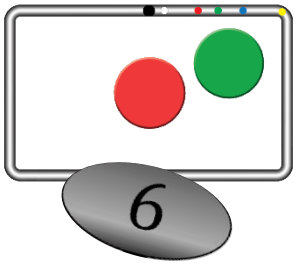


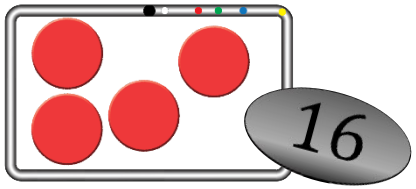


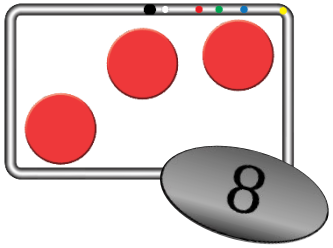












How is this number made?
Which number do you think it is?

