Sharing shake-up (2+ children)

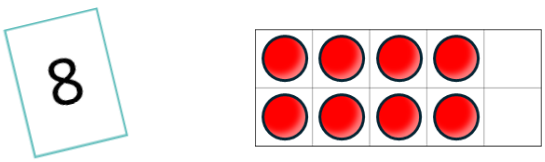
Equipment needed

- Number cards – odd and even
- Ten frames
- Counters
- Sorting circles board
- Sorting table
- Sentence stems

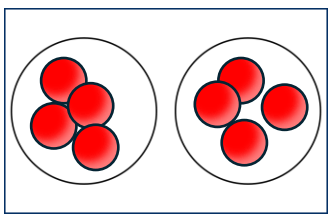
Instructions

1. Shuffle the number cards and place them all in a pile facing down.

2. Child 1 chooses a number card, and represents the number shown using counters on their ten frames.



3. Once the number has been correctly represented, child 1 then tries to share the counters equally between 2 groups. (Top tip – you can use the 'sorting circles board' to help you.)



Can the number of counters be shared equally between 2 equal groups? Why or why not? What do you notice?

4. Children discuss if the number shown on the card is an even or an odd number. Once children all agree, place the number card into the sorting table to keep track of the odd and even number cards that have been explored.

5. Child 2 repeats.

What do you notice about even and odd numbers?

Let's investigate further...

- Choose an even number card and represent it with counters.

  Can you share the counters equally between 4 groups? 6 groups? 8 groups?

  What do you notice?

- Odd numbers can always be shared equally between 3 groups. True or false?

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Printable number cards (even)

10	20	30
8	18	28
6	16	26
4	14	24
2	12	22

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Printable number cards (odd)

9	19	29
7	17	27
5	15	25
3	13	23
1	11	21

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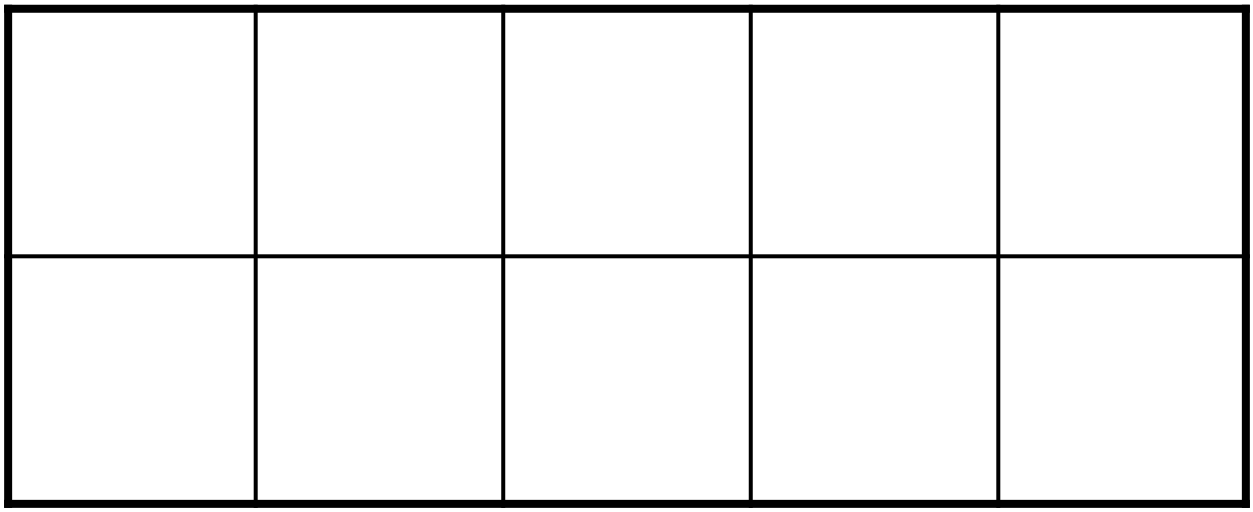
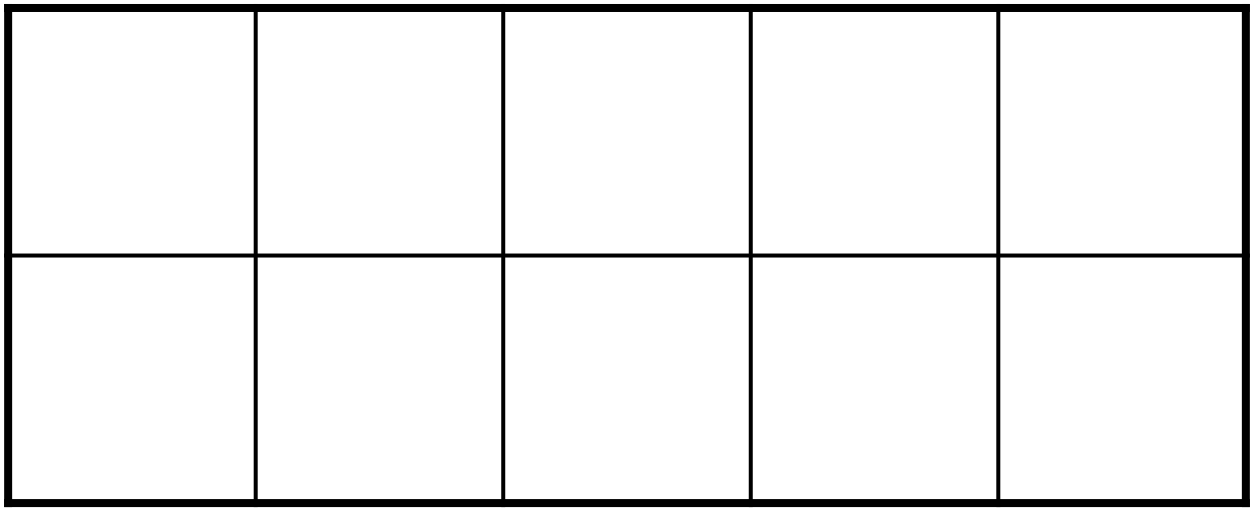
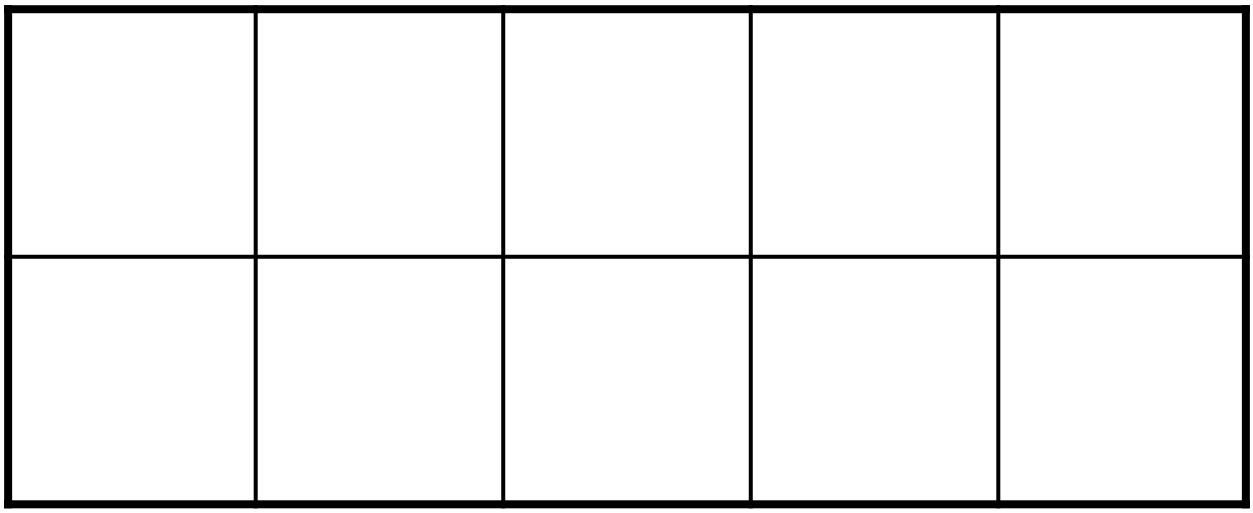
Printable ten frames







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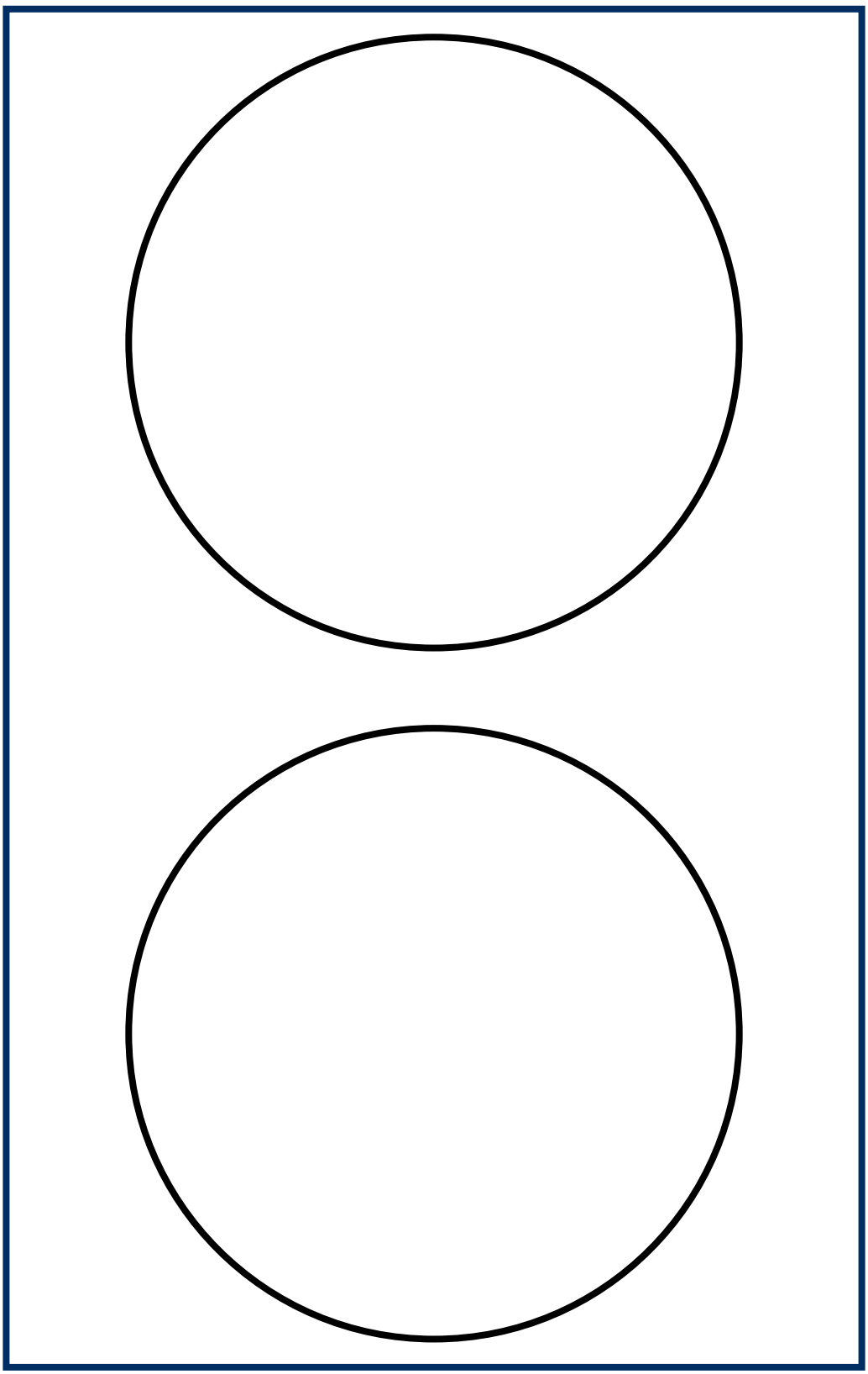
Printable sorting circles board



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Printable sorting table

Odd numbers	
Even numbers	

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Printable sentence stems

Even numbers have ___ in the ones column.

Even numbers have ___ in the ones column.

Even numbers have ___ in the ones column.

Sharing shake-up (2+ children)

Printable sentence stems

Odd numbers have ___ in the ones column.

Odd numbers have ___ in the ones column.

Odd numbers have ___ in the ones column.