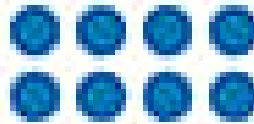
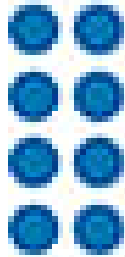




Key Instant Recall Facts (KIRFs)

Year 4 Summer term 2

I know commutative facts for all multiplication tables



$$4 \times 2 = 8 = 2 \times 4$$

What are commutative facts?

Commutative facts mean that if you change the order of the numbers you're adding or multiplying, the answer stays the same.

Top Tips

- The secret to success is practising little and often.
- Use time wisely; practise at key times of the day to begin with.
 - Pick one or two facts to focus on each day.
- Ask questions that identify the commutative fact. If $4 \times 2 = 8$, what does $2 \times 4 =$?

Questions to Ask

- How does knowing $9 \times 3 = 27$, help you answer 3×9 ?
 - If you know that $6 \times 3 = 18$, what else do you know?
- Can you draw an array to show that 3×5 is the same as 5×3 ?
- Does commutative work with division too? Why or why not?

Game / Activity Ideas

- Use any household object (like Skittles, beads, or buttons) to build arrays that show how multiplication is commutative.
 - www.timetables.co.uk