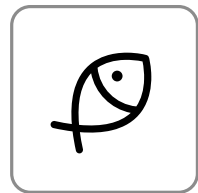
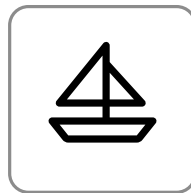
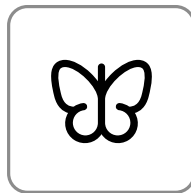
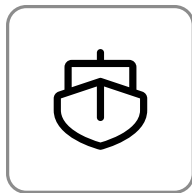
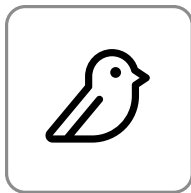


THINK LIKE A SCIENTIST • PATTERNS &amp; SORTING

# Draw a line to the right bin.

Things that fly in one bin. Things that float in the other.

**F3** sort**FLIES****FLOATS**

☐ Everything has a bin.

**FOR GROWN-UPS**

A child may put the boat with the bird: neither is on the ground. Ask what each one is sitting on.

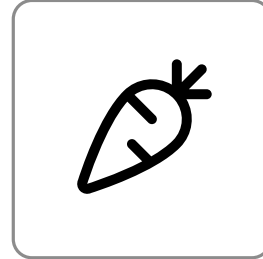
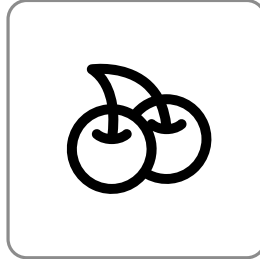
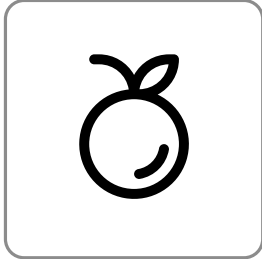
Ask: "Does it go through the air, or sit on the water?"

In the bath tonight: find three things that float.

THINK LIKE A SCIENTIST • PATTERNS &amp; SORTING

# Cross out the one that did not grow.

Three of these grew on a plant. One was made in a kitchen.

**F2** odd one out☐ I crossed out one.**FOR GROWN-UPS**

The rule is printed this time, and the child still has to test each picture against it. Testing is the work.

Ask: "Where did this one come from?" for each of the four.

At the table: put out three things that grew and one that did not.

THINK LIKE A SCIENTIST • PATTERNS &amp; SORTING

# Draw what comes next.

Star, star, moon. Then it starts again.

**F8** what comes next

your turn – make the same pattern here



☐ I filled the empty cells.

**FOR GROWN-UPS**

AAB is harder than AB: two of one thing come before the change. Say it out loud together first.

Ask: "Say the pattern with me: star, star, moon."

With blocks: make an AAB tower and let them copy it.

THINK LIKE A SCIENTIST • PATTERNS &amp; SORTING

# Draw what is missing.

Two cells are empty, in different places.

**F9** fill the gap

your turn – make the same pattern here



☐ I filled the gap.

**FOR GROWN-UPS**

A gap in the middle cannot be answered by looking at the end. The child has to read the cells on both sides of it.

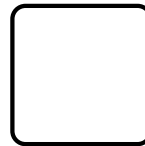
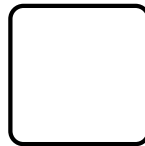
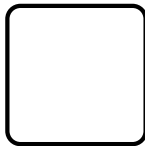
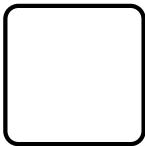
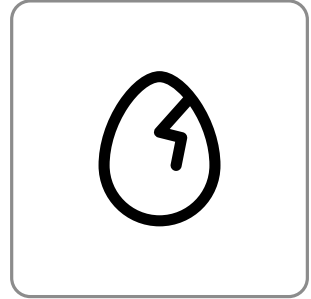
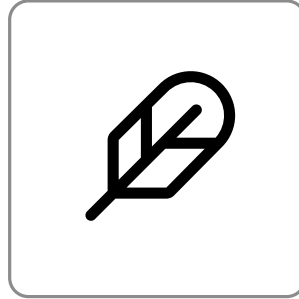
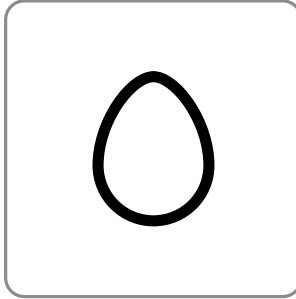
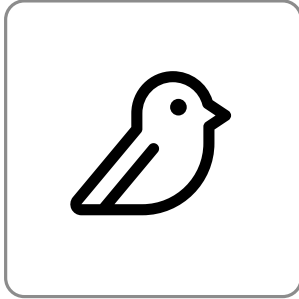
Ask: "What comes before the gap? What comes after?"

On a walk: leave a gap in a line of stones and ask them to fill it.

THINK LIKE A SCIENTIST • PATTERNS &amp; SORTING

# Write 1, 2, 3, 4. First is 1.

An egg, and what comes out of it.

**F10** put in order

☐ Every box has a number.

## FOR GROWN-UPS

The pictures are shuffled. Number 1 is what happens first, not the picture on the left.

Ask: "Which one has to happen before the others can?"

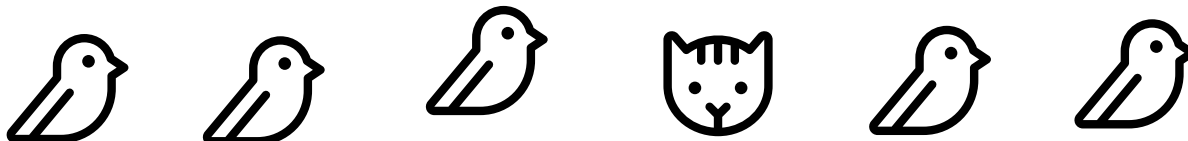
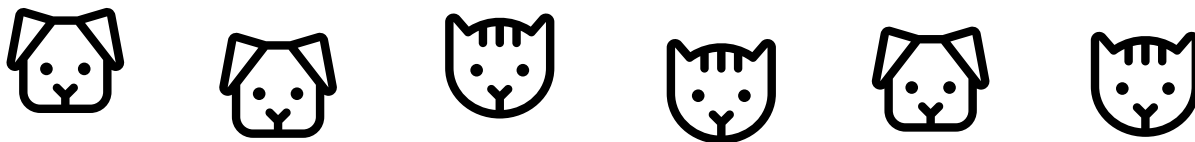
At home: photograph three steps of a snack and shuffle them.

THINK LIKE A SCIENTIST • PATTERNS &amp; SORTING

# Count each kind. Color one square for each.

Then circle the row with the most.

F12 count and record



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I colored one square for each.

## FOR GROWN-UPS

A picture graph turns counting into comparing. The child colors the right number, and the bars do the rest.

Ask: "Which row is longest? So which did we count most?"

In the kitchen: graph three kinds of fruit in the bowl.