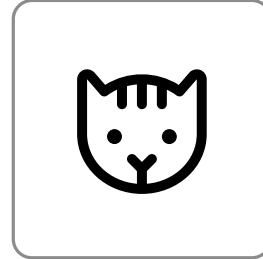
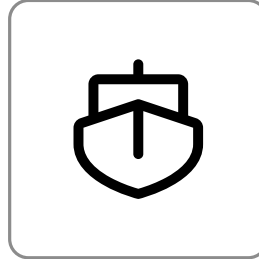
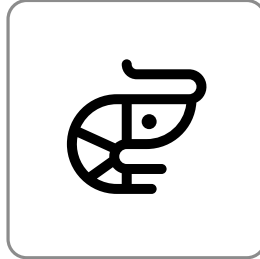
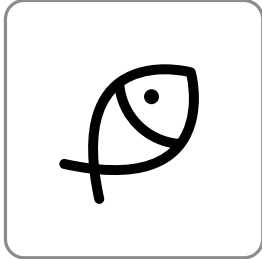


THINK LIKE A SCIENTIST • PATTERNS & SORTING

Cross out the one that does not go in water.

Three of these are found in the water. One is not.

F2 odd one out☐ I crossed out one.

FOR GROWN-UPS

The rule is on the page. The child still has to test every picture against it, and that testing is sorting.

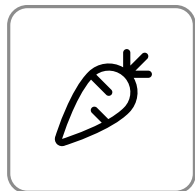
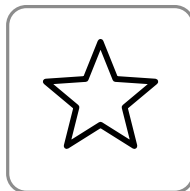
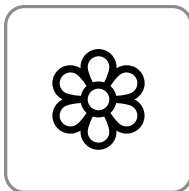
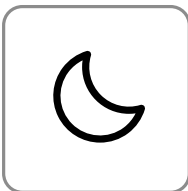
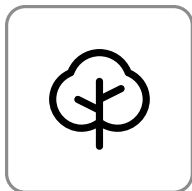
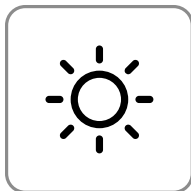
Ask: "Where would you find this one?" for each of the four.

In the bath: three things that go in, one that stays out.

THINK LIKE A SCIENTIST • PATTERNS & SORTING

Draw a line to the right bin.

Things in the sky in one bin. Things that grow in the ground in the other.

F3 sort**IN THE SKY****IN THE GROUND**☐ Everything has a bin.**FOR GROWN-UPS**

One rule, two bins. Let them sort the sure ones first; the leftovers are where the thinking happens.

Ask: "Could you touch this one? Or is it too far up?"

On a walk: name three things up and three things down.

THINK LIKE A SCIENTIST • PATTERNS & SORTING

Circle everything you can wear.

Four of these go on a body. Four do not.

F4 circle the group☐ I circled them all.**FOR GROWN-UPS**

Circle-the-group is sorting with one bin. The child decides for every card, including the ones that stay uncircled.

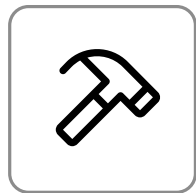
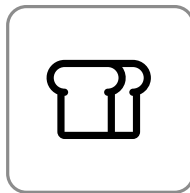
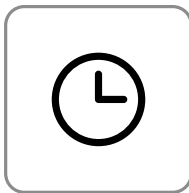
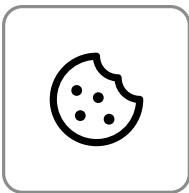
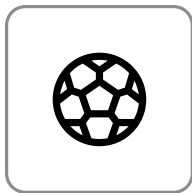
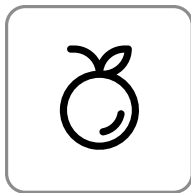
Ask: "Where on you would this one go?" The ones with no answer stay out.

At the wardrobe: pull out four things, two you wear, two you do not.

THINK LIKE A SCIENTIST • PATTERNS & SORTING

Two rules. Draw a line to the right bin.

Round AND food goes in the first bin. Everything else goes in the other.

F3 sort**ROUND AND FOOD****NOT BOTH**☐ Everything has a bin.**FOR GROWN-UPS**

Two rules at once. A ball is round but not food, and bread is food but not round, so both go in the second bin.

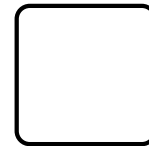
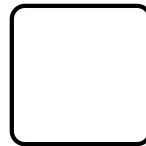
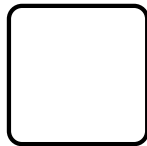
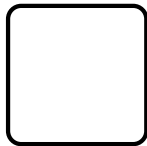
Ask: "Is it round? Is it food?" Two questions for every card.

In the kitchen: find one thing that is round and food, one that is only one of those.

THINK LIKE A SCIENTIST • PATTERNS & SORTING

Write 1, 2, 3, 4. Smallest is 1.

Four cats. Put them in order by size.

F5 put in order

☐ Every box has a number.

FOR GROWN-UPS

Ordering by size is sorting with more than two bins. The child has to compare every cat with every other cat.

Ask: "Which is the very smallest? Now which is the smallest of the ones left?"

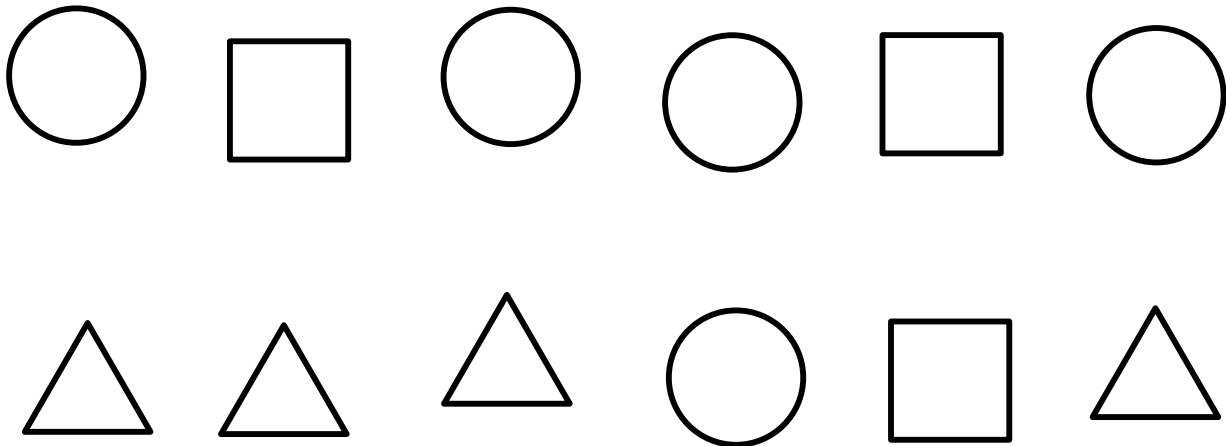
With spoons: a teaspoon, a dessert spoon, a serving spoon, in a row.

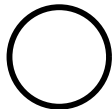
THINK LIKE A SCIENTIST • PATTERNS & SORTING

Count each kind. Color one square for each.

Then circle the row with the most.

F12 count and record



☐ I colored one square for each.

FOR GROWN-UPS

Sorting, then counting what was sorted. The graph shows the answer without anyone saying a number.

Ask: "Which row is longest? So which shape is there most of?"

With buttons: sort by color, then line each color up and compare.