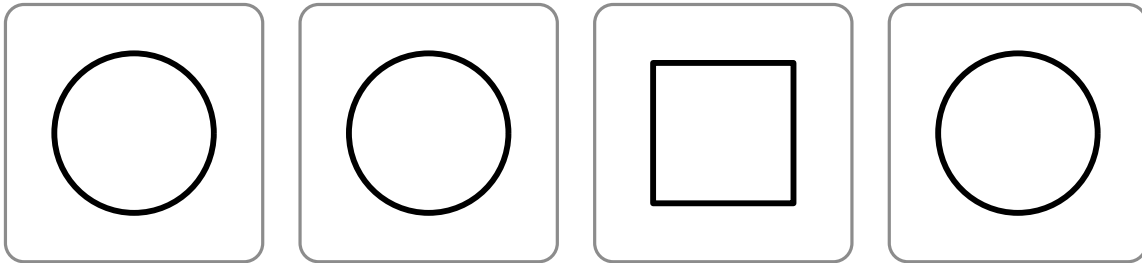


THINK LIKE A SCIENTIST • PATTERNS & SORTING

Cross out the shape that is different.

Three circles and one square.

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

Give the words circle and square here. A shape name is a tool they will use all year.

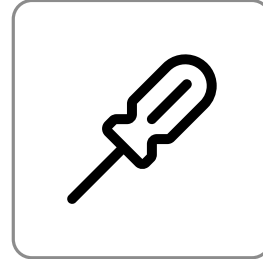
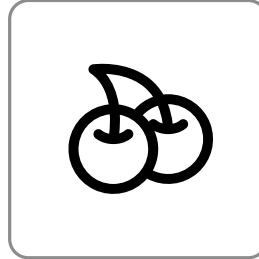
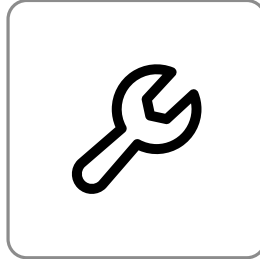
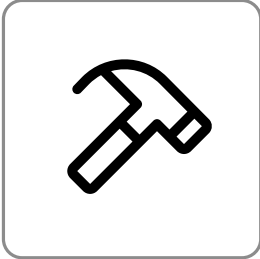
Ask: "How did you know?" Then wait. The wait is the lesson.

Let them set the four out for you. They will make it hard on purpose.

THINK LIKE A SCIENTIST • PATTERNS & SORTING

Cross out the one that is not a tool.

Three tools and one thing that is not.

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

Cherries are food, not a tool. The rule is what a thing is for, not what it looks like.

Ask: "How did you know?" Then wait. The wait is the lesson.

Let them set the four out for you. They will make it hard on purpose.

THINK LIKE A SCIENTIST • PATTERNS & SORTING

Make your own rule. Circle a group.

Pick anything these have in common. A grown-up can write your rule.

F4

circle the group

MANY ANSWERS

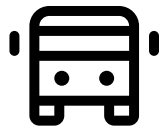
















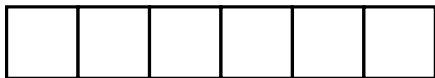
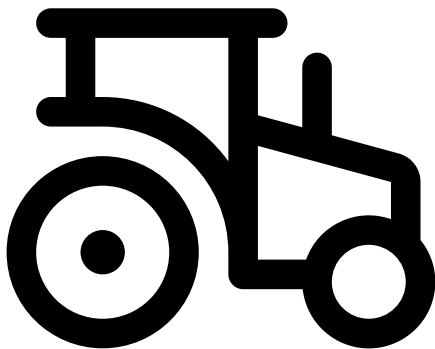
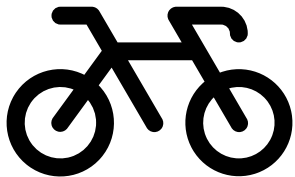
FOR GROWN-UPS

The rule is the answer here, not the circle. Write down whatever they say.
Ask about one they did not circle. Why it is out is the same thinking.
In the car, count everything red before the next corner.

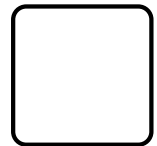
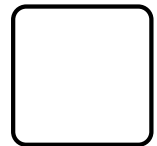
THINK LIKE A SCIENTIST • PATTERNS & SORTING

Count the squares. Then circle the longer one.

Measure both, then compare the two numbers.

F7 measure

one square = one block



☐ I wrote every number.

FOR GROWN-UPS

Measuring, and then comparing what was measured. Two skills on one page for the first time.

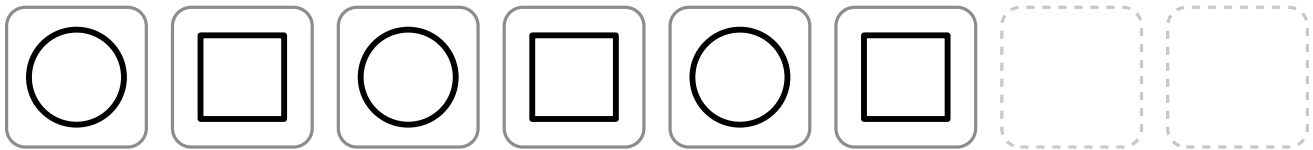
Ask why both things have to be measured with the same square.

Measure a shelf with one book, over and over, and write the number down.

THINK LIKE A SCIENTIST • PATTERNS & SORTING

Draw the next two.

Two empty cells at the end this time.

F8 what comes next

your turn – make the same pattern here



☐ I filled the empty cells.

FOR GROWN-UPS

Two empty cells means the pattern has to be carried on, not guessed once.

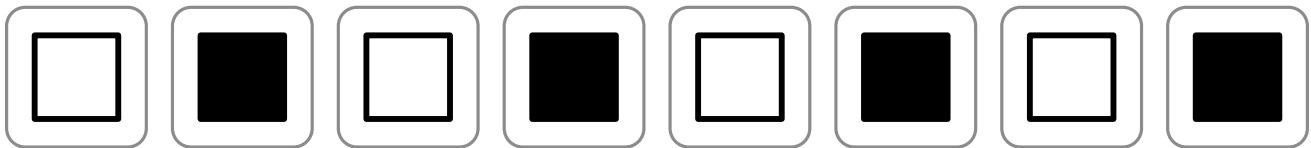
Ask what the repeating piece is, then check it against the strip.

Make a pattern of steps and jumps down the hall, over and over.

THINK LIKE A SCIENTIST • PATTERNS & SORTING

Circle the part that repeats.

Find the smallest piece that happens again and again.

F8 what comes next

your turn – make the same pattern here



☐ I circled the part that repeats.

FOR GROWN-UPS

Naming the unit comes last in this unit, because it is the hardest thing in it.
Ask where the strip starts saying itself again. The piece before that is the answer.
Say a pattern out loud and ask them to tell you the shortest piece of it.