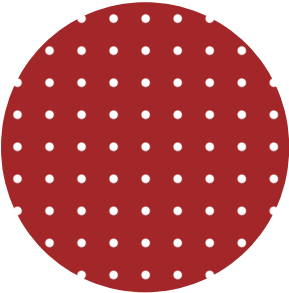
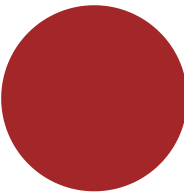
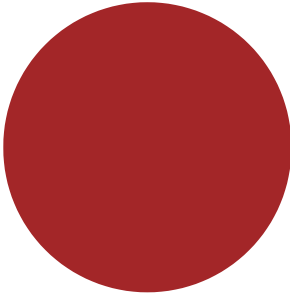
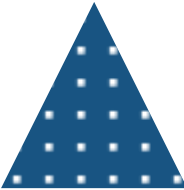
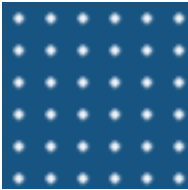
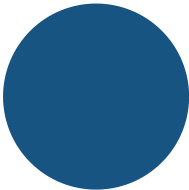
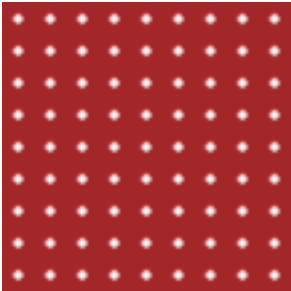
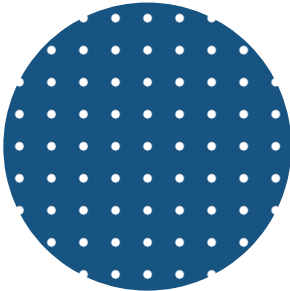
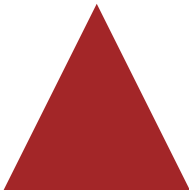
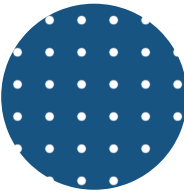
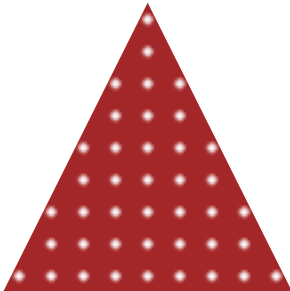


Page 1: picture cards

YES  1 • BIG • RED • CIRCLE • SPOTS	YES  2 • SMALL • RED • CIRCLE • PLAIN	YES  3 • BIG • RED • CIRCLE • PLAIN
NO  4 • BIG • BLUE • SQUARE • PLAIN	NO  5 • SMALL • BLUE • TRIANGLE • SPOTS	NO  6 • SMALL • BLUE • SQUARE • SPOTS
 7 • SMALL • BLUE • CIRCLE • PLAIN	 8 • BIG • RED • SQUARE • SPOTS	 9 • BIG • BLUE • CIRCLE • SPOTS
 10 • SMALL • RED • TRIANGLE • PLAIN	 11 • SMALL • BLUE • CIRCLE • SPOTS	 12 • BIG • RED • TRIANGLE • SPOTS

Page 2: worksheet

GUESS, THEN CHECK

Name or nickname: _____

You are the machine. Six example cards are labeled YES or NO.
Find the rule, then test it on cards you have never seen.

STEP 1 SORT THE EXAMPLES

Put cards 1 to 6 in the YES tray or the NO tray.

The YES cards all have: _____

The NO cards all have: _____

STEP 2 WRITE A RULE

My rule: A sticker goes in YES when _____

(Use one thing you can see: shape, color, size or pattern.)

STEP 3 TEST ON NEW CARDS

Guess first. Then your grown-up reads the real answer.

Card	My guess (YES / NO)	Real answer	Right? (✓ or x)
7	_____	_____	_____
8	_____	_____	_____
9	_____	_____	_____
10	_____	_____	_____

My rule got ____ right and ____ wrong.

STEP 4 CHANGE ONE THING

The cards my rule got wrong were: _____

They had something the examples did not: _____

My new rule: A sticker goes in YES when _____

STEP 5 TEST AGAIN

Card	My guess (YES / NO)	Real answer	Right? (✓ or x)
11	_____	_____	_____
12	_____	_____	_____

THINK ABOUT IT

What made my first rule go wrong?

Keep your first rule. Wrong guesses are how you found the real one.

Page 3: adult answer key (keep this page away from your child)

ANSWER KEY: GUESS, THEN CHECK

The hidden rule: CIRCLES go in YES. Everything else goes in NO.

Why it is tricky: in the examples (cards 1 to 6), every YES card is a red circle and every NO card is blue. So "red goes in YES" fits the examples just as well as "circles go in YES". Only the test cards can tell them apart.

Card	Real answer	"Red" rule says	"Circle" rule says
7	YES	NO (wrong)	YES
8	NO	YES (wrong)	NO
9	YES	NO (wrong)	YES
10	NO	YES (wrong)	NO
11	YES	NO (wrong)	YES
12	NO	YES (wrong)	NO

If your child wrote "red AND circle": cards 7, 9 and 11 come out wrong.

If your child wrote a rule about size or spots: it will not fit cards 1 to 6; ask them to check the examples again before Step 3.

Questions to ask:

- Which card made you think that?
- Could someone else guess a different rule from the same six cards?
- What made your first rule go wrong?

Older children (11 to 18): two harder hidden rules to try.

Label cards 1 to 6 with the new rule's answers before you start.

Rule A, "big AND circle":

YES = cards 1, 3, 9. NO = 2, 4, 5, 6, 7, 8, 10, 11, 12.

Rule B, points (circle = 2, big = 1, spots = 1, YES at 3 or more):

YES = cards 1, 3, 9, 11. NO = 2, 4, 5, 6, 7, 8, 10, 12.

(Card 2 scores 2 and card 8 scores 2: both just miss.)

Keep a table of every right and wrong prediction, and ask which wrong answer would matter more if YES meant "safe to eat".