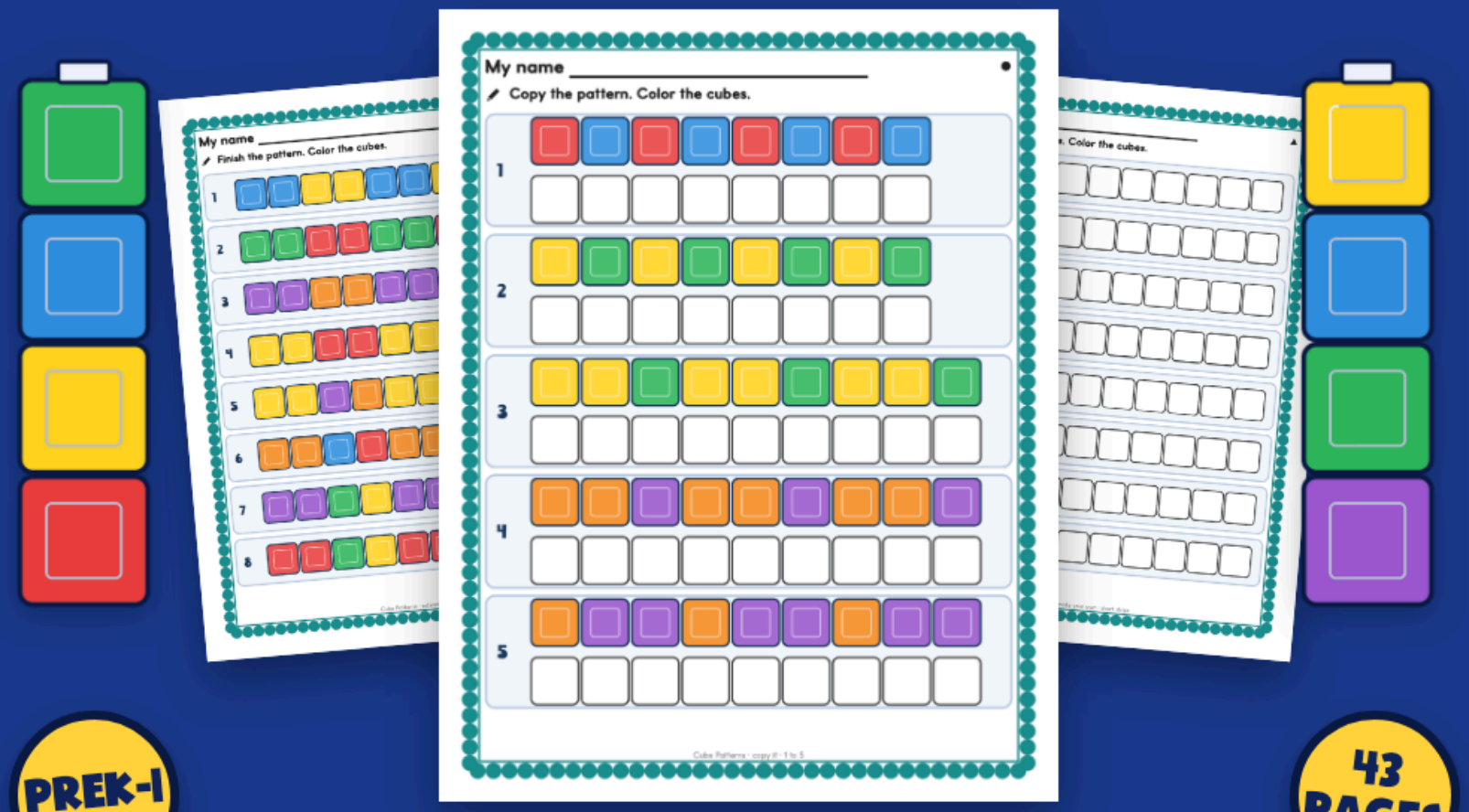
UNIFIX CUBE PATTERNS

Build, Copy and Extend



PREK-1

43 PAGES

Bright Path Sped

Preview · Bright Path Sped

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One classroom license

- This file is for one classroom: one teacher, one group of students.
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This is a PDF with a few type-in pages

- Open it in a PDF reader (Adobe Acrobat Reader, Preview, or your browser), click into a box, type, and Save As.
- The pattern log (page 35), the data sheet (page 37) and the note home (page 41) are type-in. Every other page is a print page, and you can print any page and write by hand.
- It works offline. No account, no subscription, no internet connection needed after you download it.

Print at 100 percent

Turn off fit to page and shrink to fit so the printed cubes keep their size. The cards are drawn so a real linking cube sits on a printed cube, and every card has an ink-saver copy.

How the file is organized

- Pattern cards come first, in color and in ink saver, then the student pages.
- Copy it, extend it, what comes next, find the mistake, name it, build it and make your own.
- The teacher pages, data sheet and answer keys are at the back.

Need help?

If a field will not behave or a page will not print the way you expect, use Ask a Question on the product page before leaving a review. Every question is read, and a fix to the file ships as an update.

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PREVIEW

Preview · Bright Path Shed

Set-Up and Pattern Guide

The six rules

Rule	Example	What it means
AB		two colors take turns
AAB		two of one color, then one of another
ABB		one of a color, then two of another
ABC		three colors, then it repeats
AABB		two, two, then it repeats
AABC		two of one color, then two more colors

A letter stands for a color, so AB can be red, blue, red, blue or yellow, green, yellow, green. Every card has a different pair or trio of colors.

Size check

Cards are drawn at 0.6 inch per cube. A snap cube is a little larger, so a child can build right beside the card or lay the cubes along it. The printed cube sizes on the student pages are smaller on purpose, to fit more strips.

Ink saver cards

The ink-saver copy has no color. Each color has its own mark, so the pattern still shows when you print in black and white:



Ways to use the cards

- **Copy**: build the same strip with real cubes and hold it up to the card.
- **Keep going**: extend the strip with cubes you have, past the end of the card.
- **Partner**: one child builds the first part, the other child adds the next cubes.

Say it out loud

- "Red, blue, red, blue. My pattern is ___." "The next cube is ___."
- "This cube does not belong because ___."

PREVIEW

Preview - Bright Path Shed

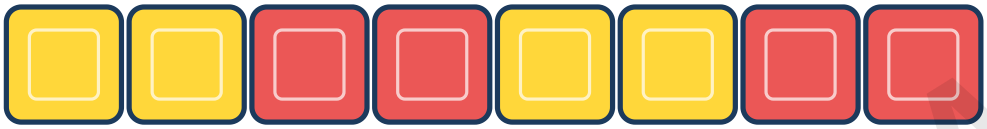
9		AAB
10		AAB
11		AAB
12		AAB
13		AAB
14		AAB
15		AAB
16		AAB

PREVIEW

Preview - Bright Path Shed

33  AABB

34  AABB

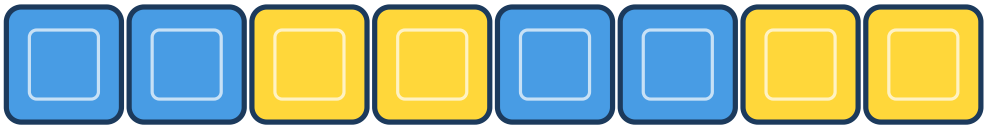
35  AABB

36  AABB

37  AABB

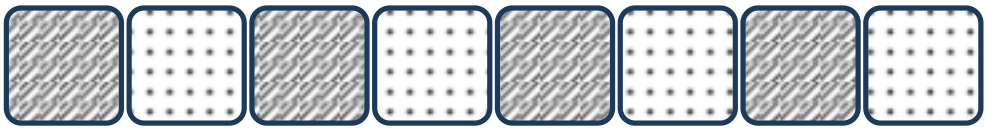
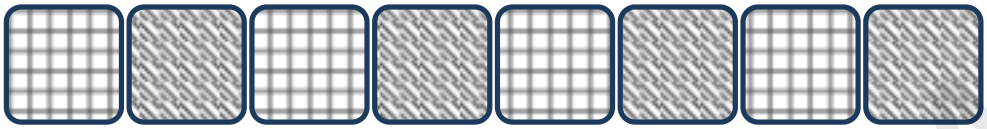
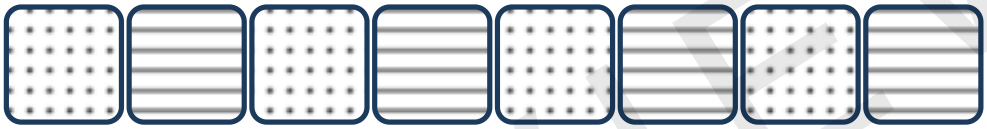
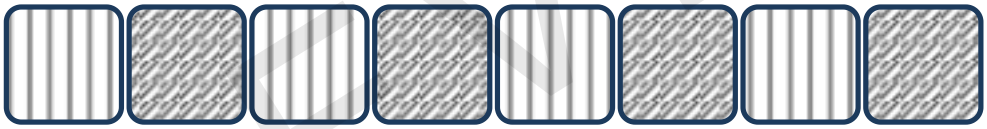
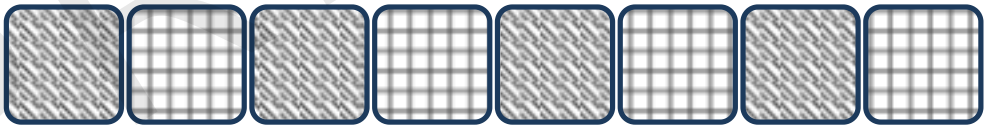
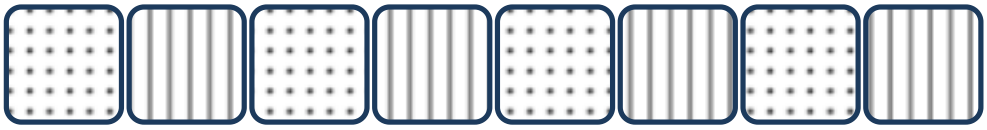
38  AABB

39  AABB

40  AABB

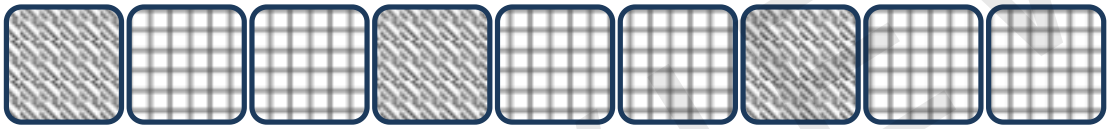
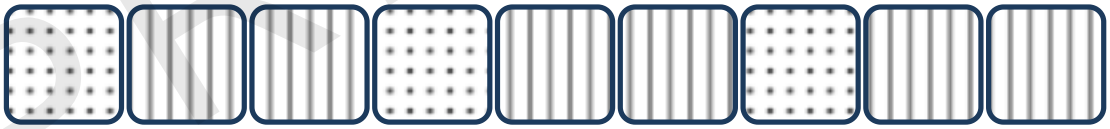
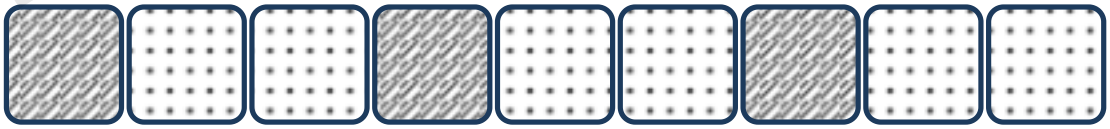
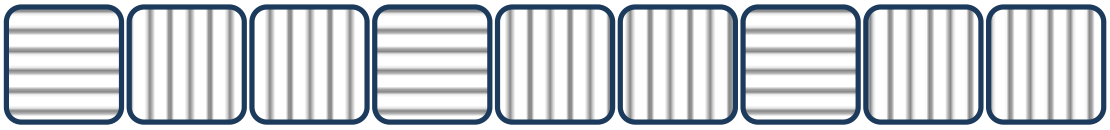
PREVIEW

Preview - Bright Path Shed

1		AB
2		AB
3		AB
4		AB
5		AB
6		AB
7		AB
8		AB

PREVIEW

Preview - Bright Path Shed

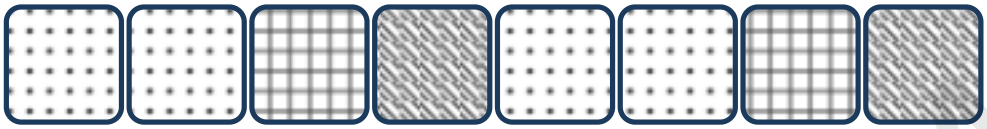
17		ABB
18		ABB
19		ABB
20		ABB
21		ABB
22		ABB
23		ABB
24		ABB

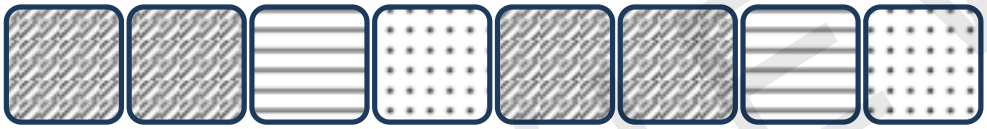
PREVIEW

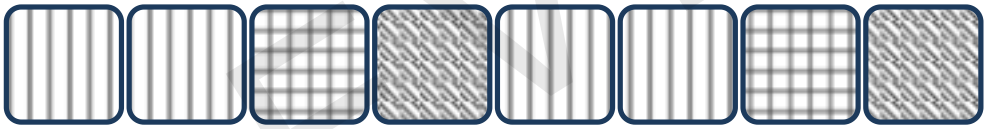
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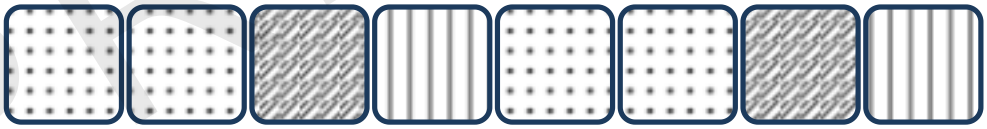
41  AABC

42  AABC

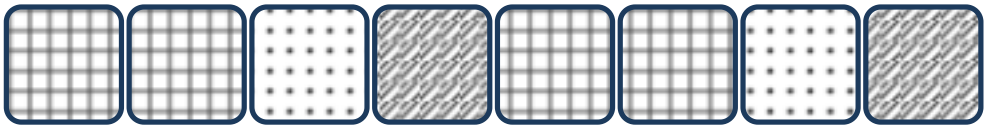
43  AABC

44  AABC

45  AABC

46  AABC

47  AABC

48  AABC

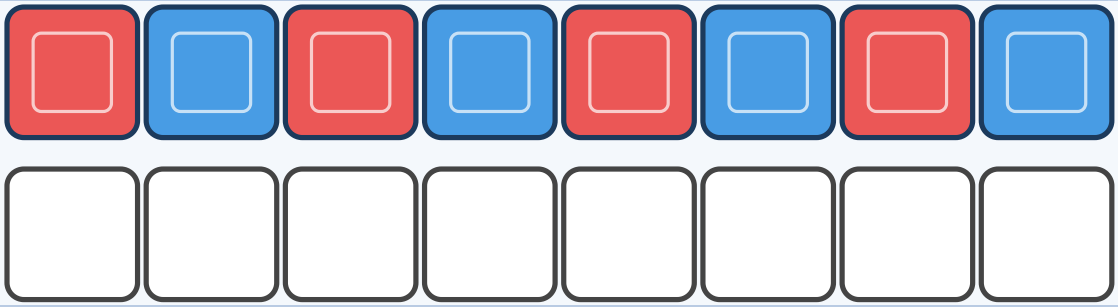
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Preview - Bright Path Shed

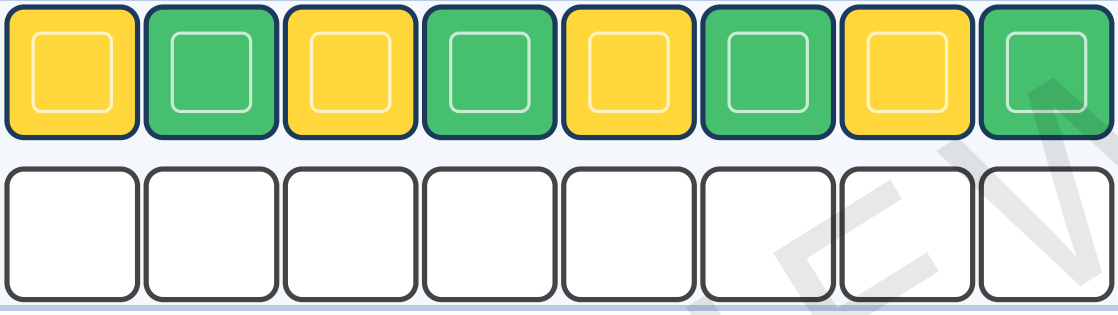
My name _____

Copy the pattern. Color the cubes.

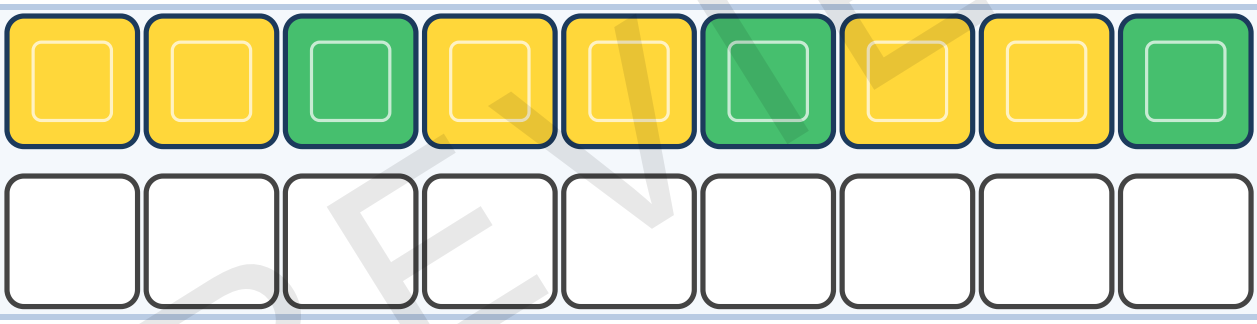
1



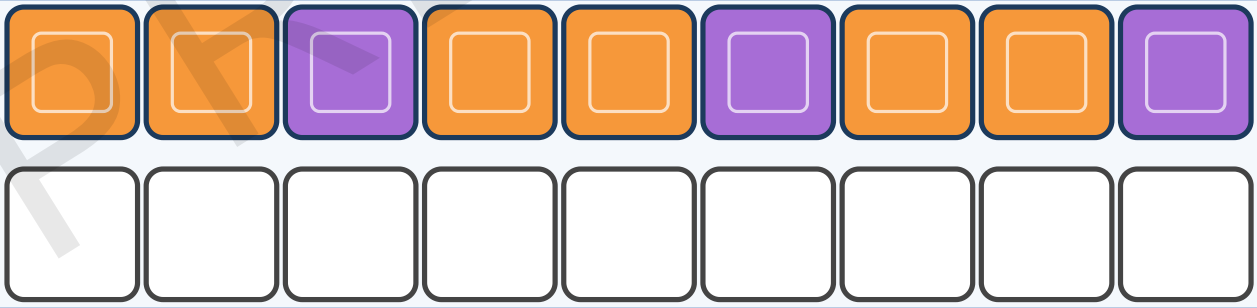
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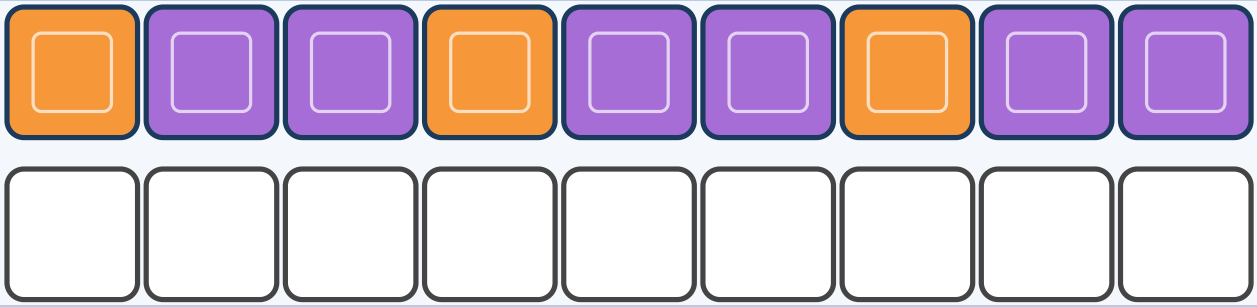
3



4



5



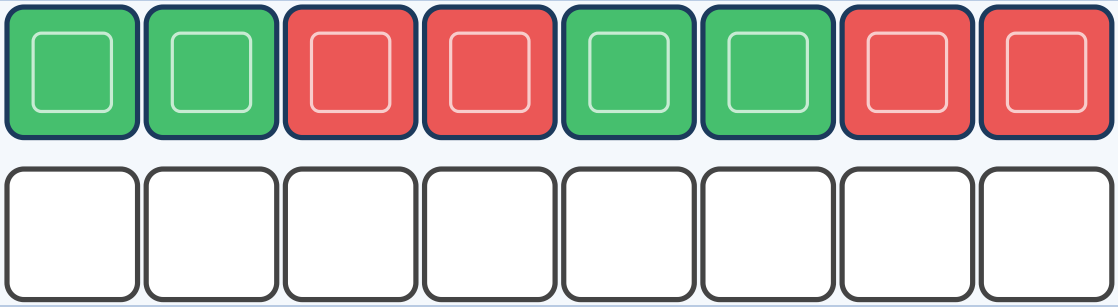
PREVIEW

Preview - Bright Path Shed

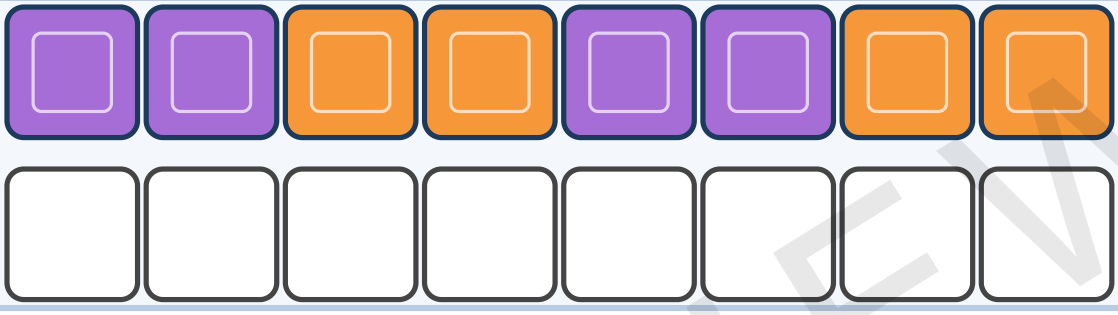
My name _____

Copy the pattern. Color the cubes.

1



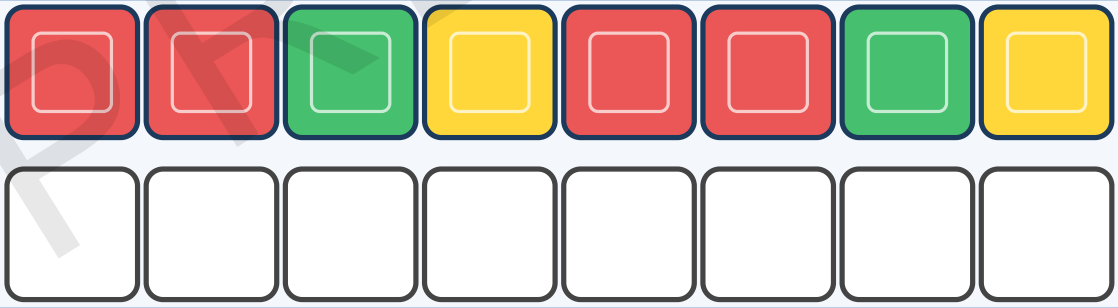
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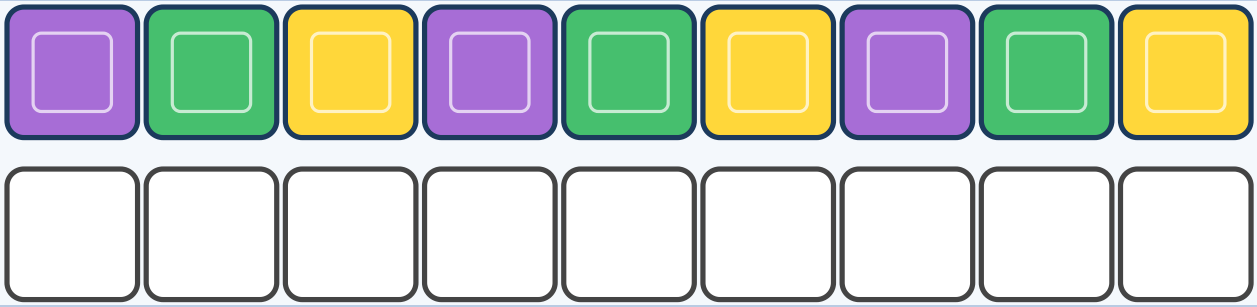
3



4



5



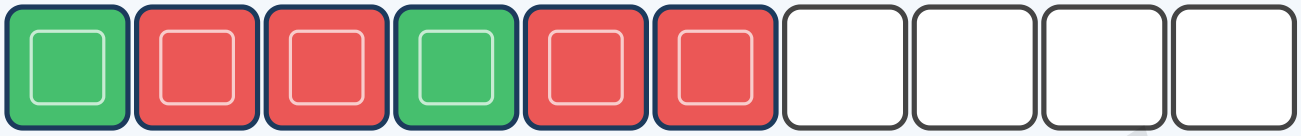
PREVIEW

Preview - Bright Path Shed

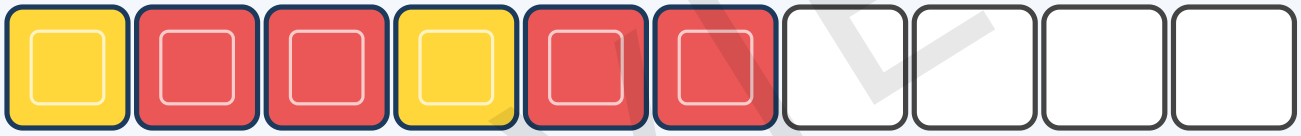
My name _____

Finish the pattern. Color the cubes.

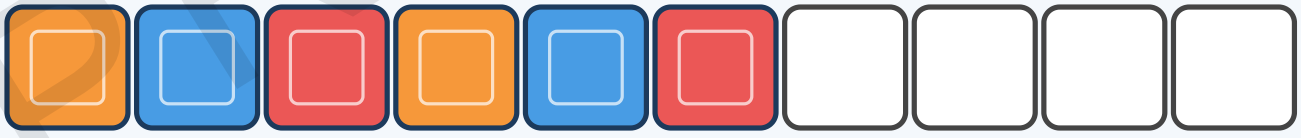
1 

2 

3 

4 

5 

6 

7 

8 

PREVIEW

Preview - Bright Path Shed

My name _____

What comes next? Circle the cube.

1 

2 

3 

4 

5 

6 

7 

8 

PREVIEW

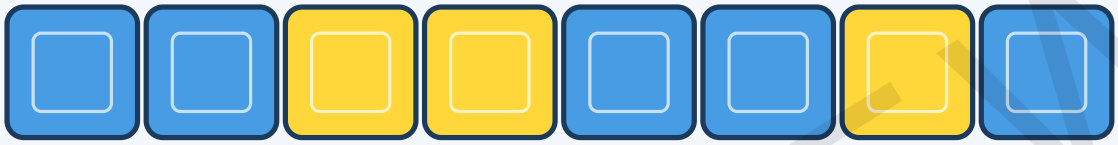
Preview - Bright Path Shed

My name _____ ▲

Find the mistake. Circle the wrong cube.

1 

2 

3 

4 

5 

6 

7 

8 

PREVIEW

Preview - Bright Path Shed

My name _____ ▲

Build with your cubes. Color what you built.

1 

2 

3 

4 

5 

6 

7 

8 

PREVIEW

Preview - Bright Path Shed

My name _____ ▲

Make a pattern. Say your rule.

1



My rule is _____

2



My rule is _____

3



My rule is _____

4



My rule is _____

5



My rule is _____

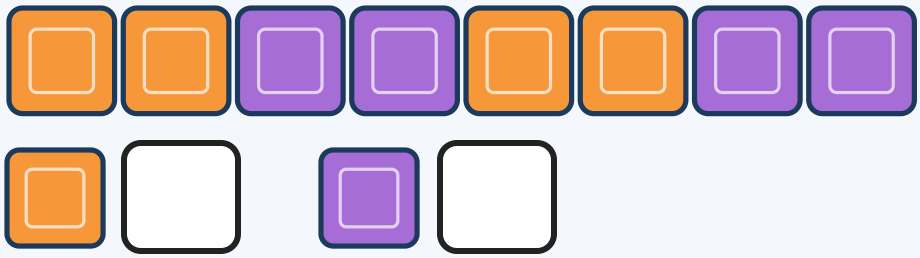
PREVIEW

Preview - Bright Path Shed

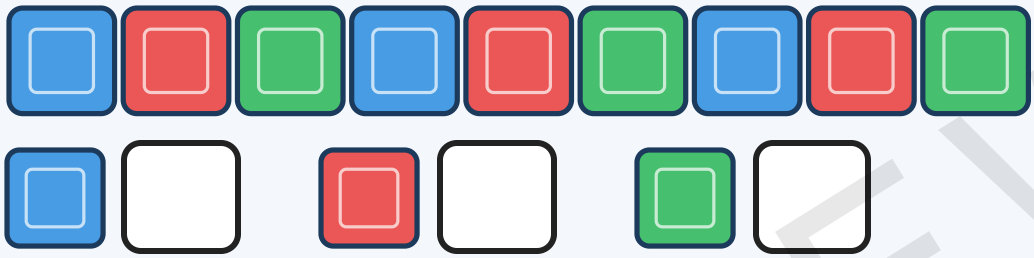
My name _____ ▲

Count each color. Write the number.

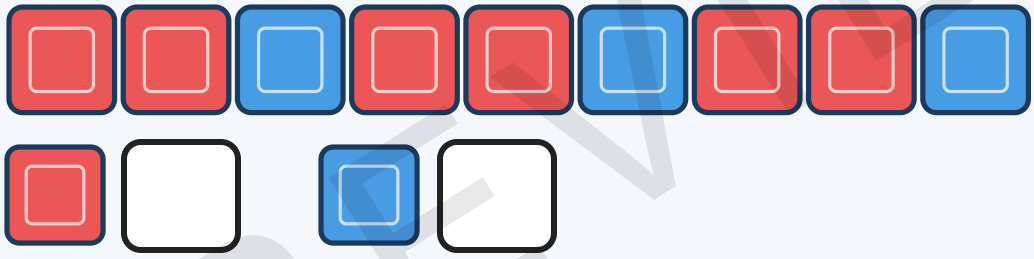
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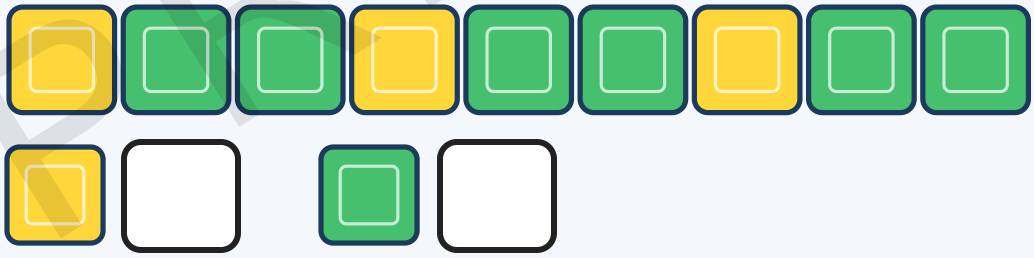
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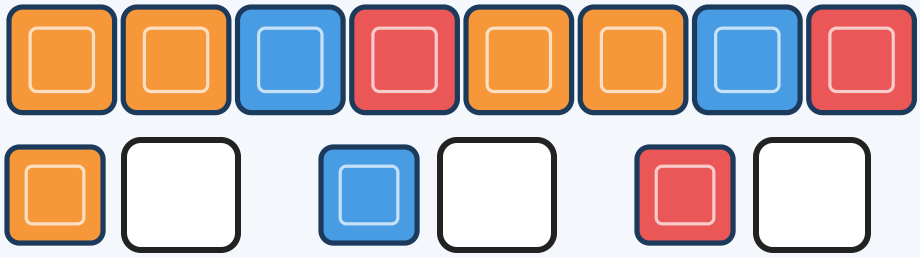
8



9



10



PREVIEW

Preview - Bright Path Sped

My name _____ ▲

Write about the patterns you made.

#	my rule	my colors	cubes in all
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			

PREVIEW

Preview · Bright Path Shed

A Filled Pattern Log

Mia is an invented student; none of these numbers is real data. She built five strips and wrote about each one.

Strip	Rule	Cubes in one repeat	Colors used	Cubes in all
	AB	2	2	8
	AAB	3	2	9
	ABB	3	2	9
	ABC	3	3	9
	AABB	4	2	8
all five strips				43

What this example shows

- The cubes in one repeat are the letters in the rule: AB has 2, AAB has 3, ABB has 3, ABC has 3 and AABB has 4.
- The last row adds the cubes in all: 8 + 9 + 9 + 9 + 8 = 43.
- Colors used match the letters that are different: ABC uses 3 colors, and the other four rules use 2.
- Every strip shows its rule at least two times, so a child can tell what comes next.

Write what you see, in your own words. Where your program has a rule for how many strips make a lesson or what counts as done, write it on the data sheet; this page does not set one.

PREVIEW

Preview - Bright Path Shed

Answer Key: Next and Mistake

What comes next (pages 23 and 24)

#	Rule	Next cube
1	AB	orange
2	AB	red
3	AB	green
4	AB	blue
5	AAB	purple
6	AAB	red
7	AAB	blue
8	AAB	blue

#	Rule	Next cube
9	ABB	orange
10	ABB	red
11	ABB	green
12	ABB	blue
13	ABC	green
14	ABC	yellow
15	ABC	orange
16	ABC	blue

Find the mistake (pages 25 and 26)

#	Rule	Wrong cube	Should be
1	AB	cube 4	green
2	AAB	cube 7	orange
3	ABB	cube 9	yellow
4	ABC	cube 6	red
5	AABB	cube 8	orange
6	AABC	cube 7	green
7	AB	cube 6	green
8	AAB	cube 9	blue

#	Rule	Wrong cube	Should be
9	ABB	cube 6	green
10	ABC	cube 8	red
11	AABB	cube 8	yellow
12	AABC	cube 7	blue
13	AB	cube 8	orange
14	AAB	cube 6	red
15	ABB	cube 8	green
16	ABC	cube 5	yellow

Cubes are counted from the left, starting at 1. Each mistake strip has exactly one cube that can be changed to make the pattern work.

PREVIEW

Note Home

Type or write what we built today, then send this page home.

For the family

Today we built patterns with linking cubes. We copied strips, kept patterns going, and found cubes that did not belong. We built:

Thank you for practicing at home!

PREVIEW

Try it at home

- Make a pattern with socks, spoons or blocks. Ask your child, "What comes next?"
- Clap a pattern: clap, clap, stomp. Clap, clap, stomp. Take turns.
- Look for patterns on a shirt, a rug or a fence.

Student: _____ Date: _____ From: _____