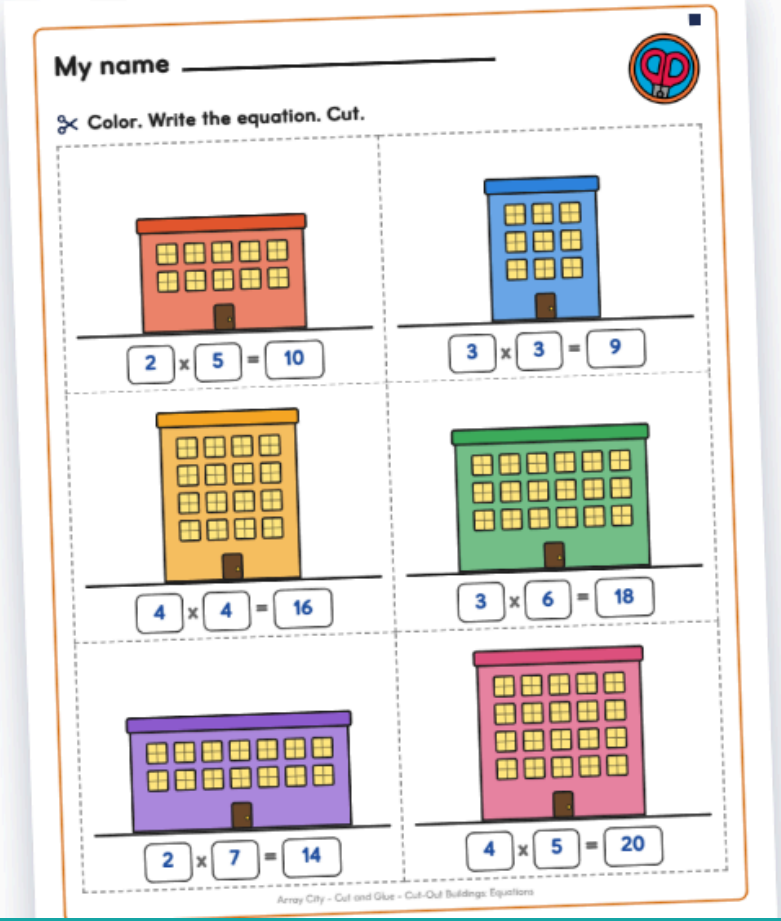
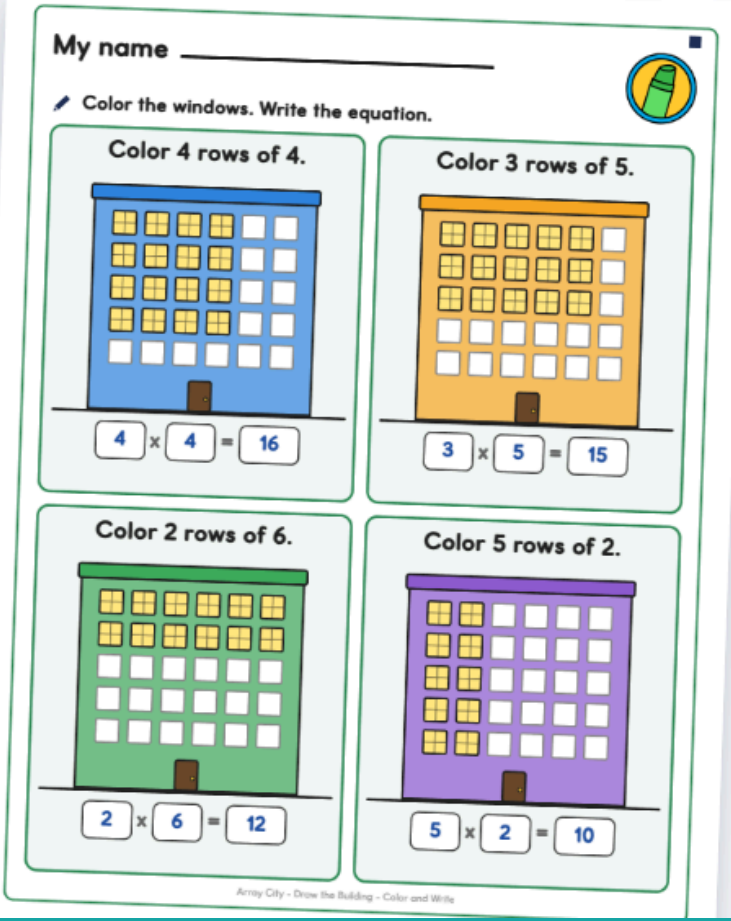
ARRAY CITY

20 SHEETS

Arrays for Grades 2-4

CUT+ GLUE CITY





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Print at 100 percent

Turn off fit to page and shrink to fit so the windows and answer boxes stay big enough for small hands. Every page prints in color or in black and white. In black and white every window keeps its outline, so a child can still count the rows and columns.

Student work

A filled-in tracker carries a student's name. Keep it in the data folder, and use a first name only on any page that leaves your hands.

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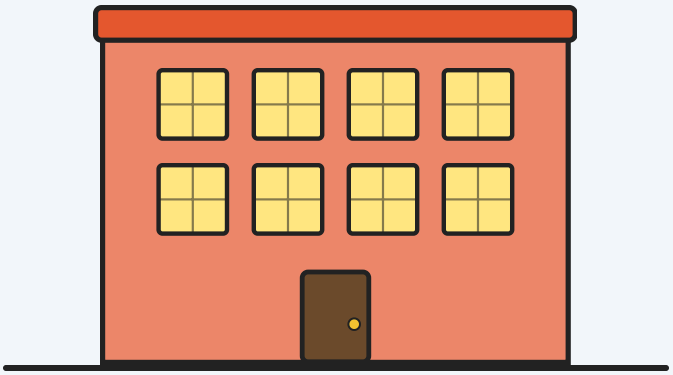
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PREVIEW

My name _____

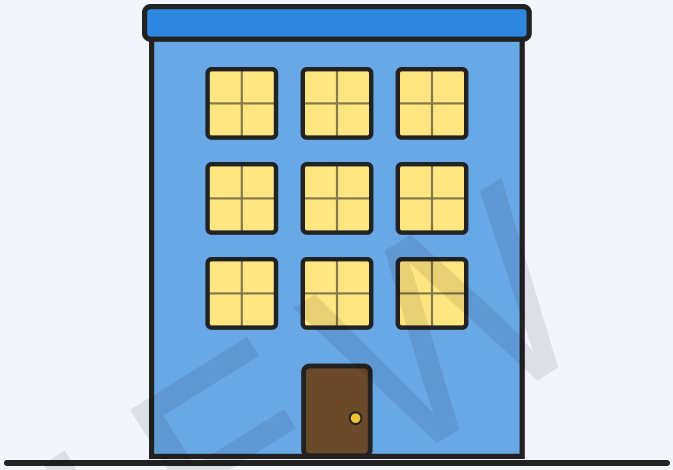


Count the rows and columns.



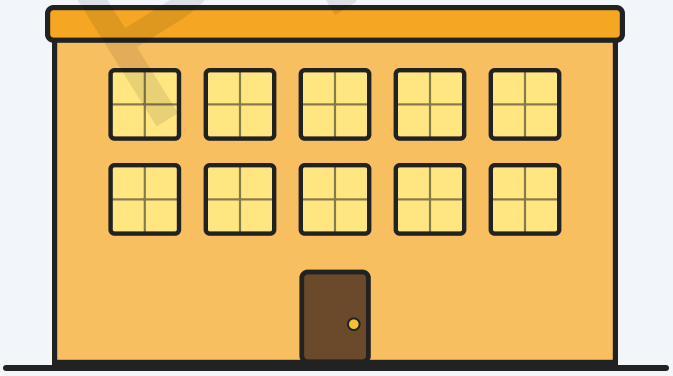
rows ☐ columns ☐

windows in all ☐



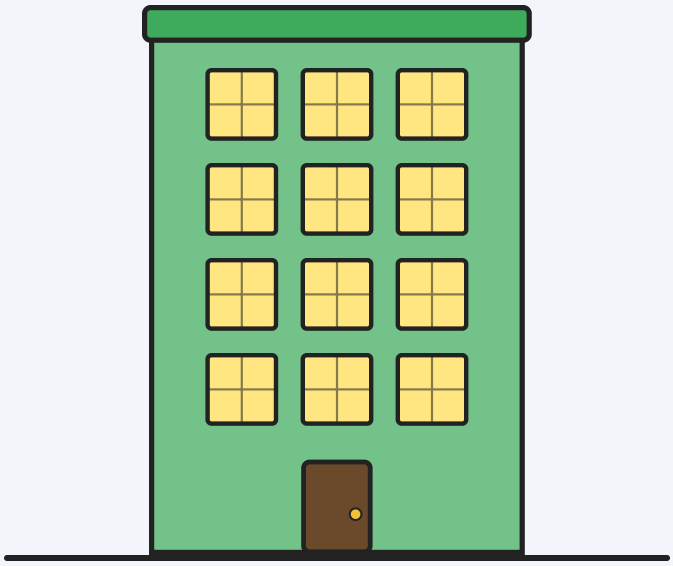
rows ☐ columns ☐

windows in all ☐



rows ☐ columns ☐

windows in all ☐



rows ☐ columns ☐

windows in all ☐

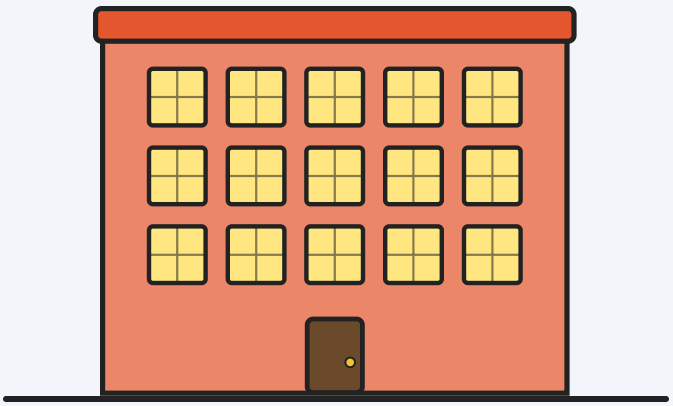
PREVIEW

Preview · Bright Path Sped

My name _____

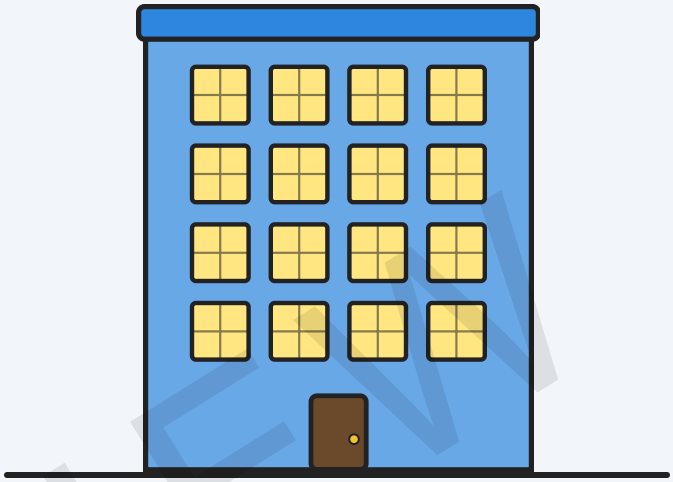


Write the rows, columns and equation.



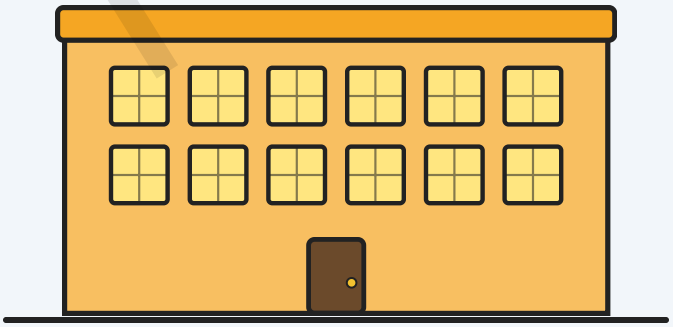
rows ☐ columns ☐

☐ x ☐ = ☐



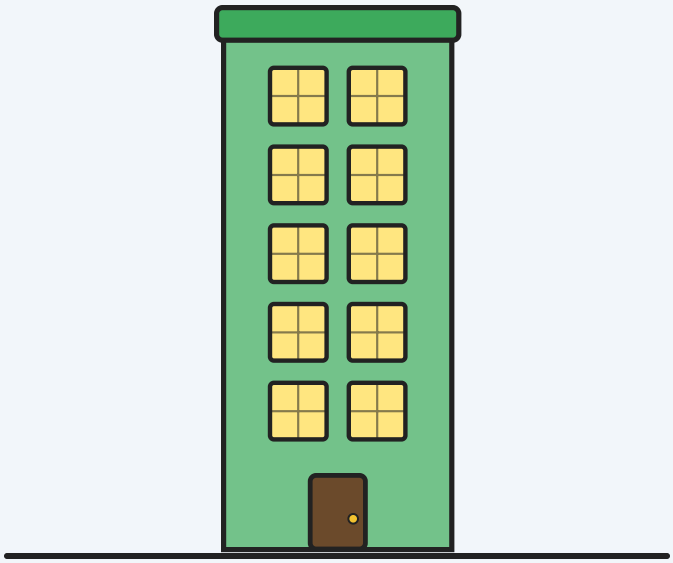
rows ☐ columns ☐

☐ x ☐ = ☐



rows ☐ columns ☐

☐ x ☐ = ☐



rows ☐ columns ☐

☐ x ☐ = ☐

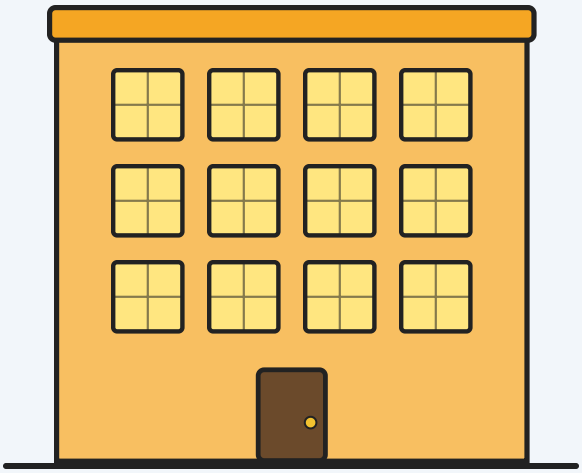
PREVIEW

Preview · Bright Path Sped

My name _____



Add each row. Then multiply.

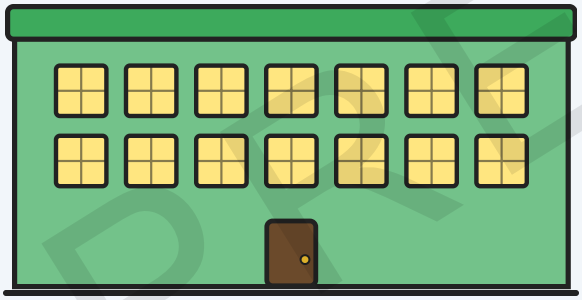


Add the windows in each row.

☐ + ☐ + ☐ = ☐

Now multiply.

☐ x ☐ = ☐

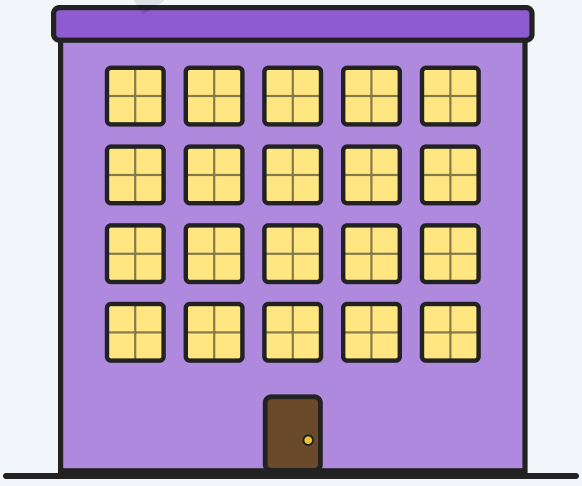


Add the windows in each row.

☐ + ☐ = ☐

Now multiply.

☐ x ☐ = ☐



Add the windows in each row.

☐ + ☐ + ☐ + ☐ = ☐

Now multiply.

☐ x ☐ = ☐

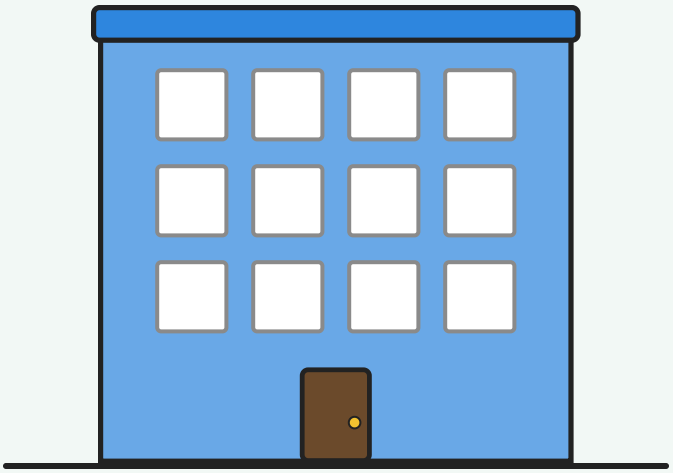
PREVIEW

Preview · Bright Path Sped

My name _____

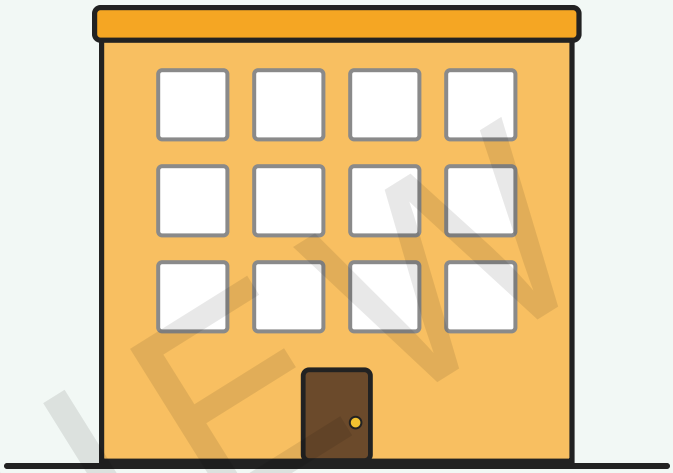
Color the windows. Count them.

Color 2 rows of 3.



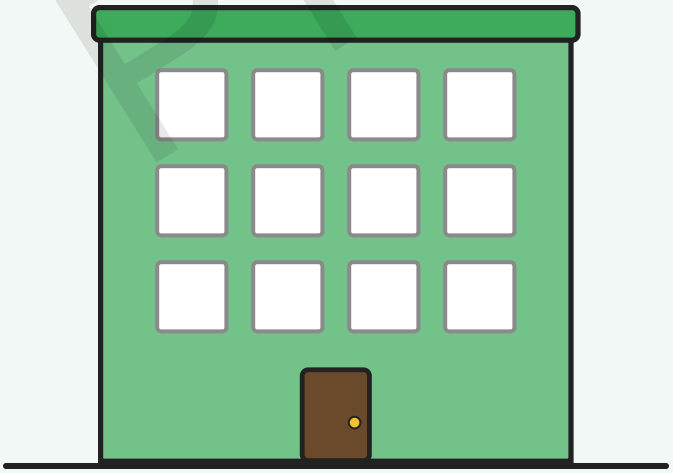
windows in all ☐

Color 3 rows of 2.



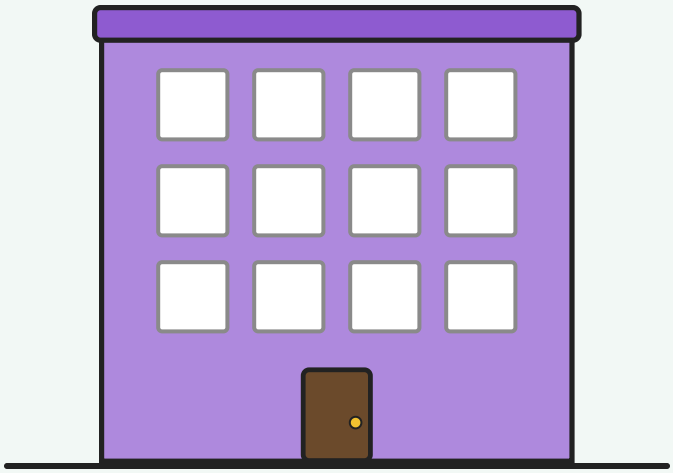
windows in all ☐

Color 2 rows of 4.



windows in all ☐

Color 3 rows of 3.



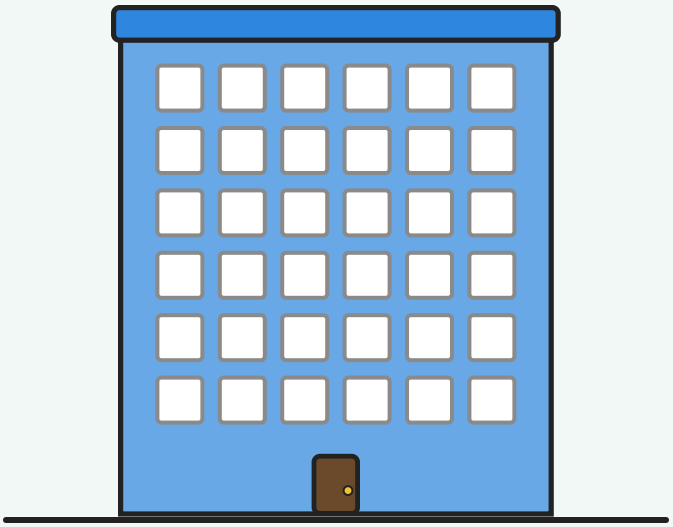
windows in all ☐

PREVIEW

My name _____

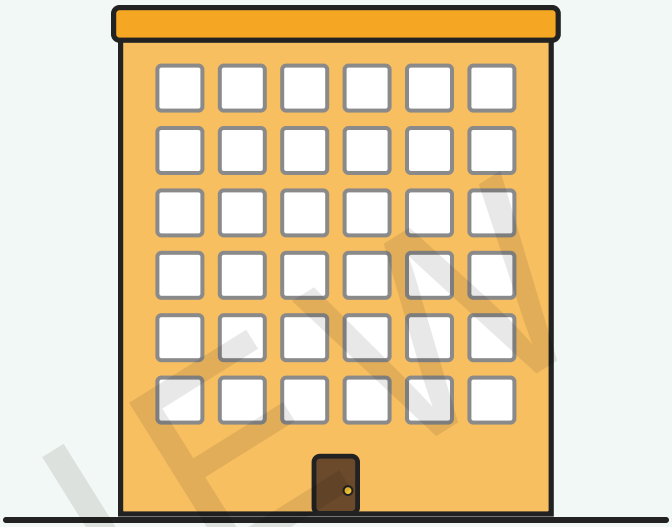
Color the array. Write how many.

Draw 4 x 5.



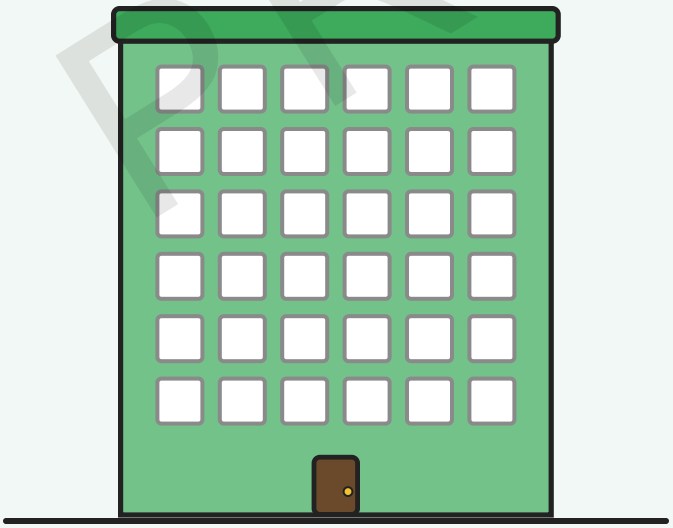
4 x 5 = ☐

Draw 6 x 4.



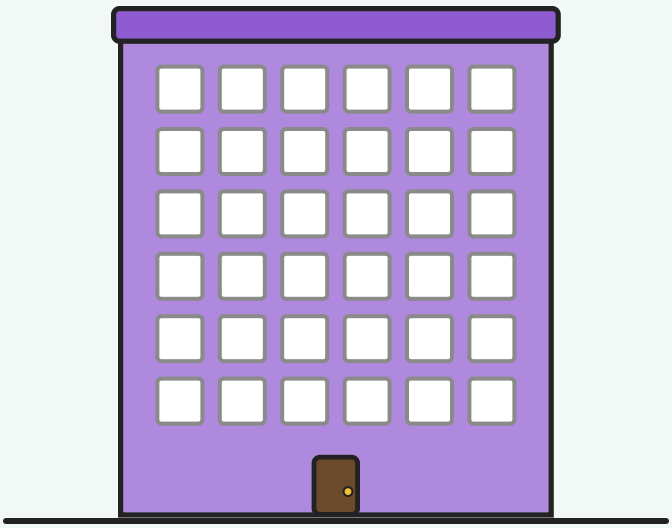
6 x 4 = ☐

Draw 3 x 6.



3 x 6 = ☐

Draw 5 x 5.



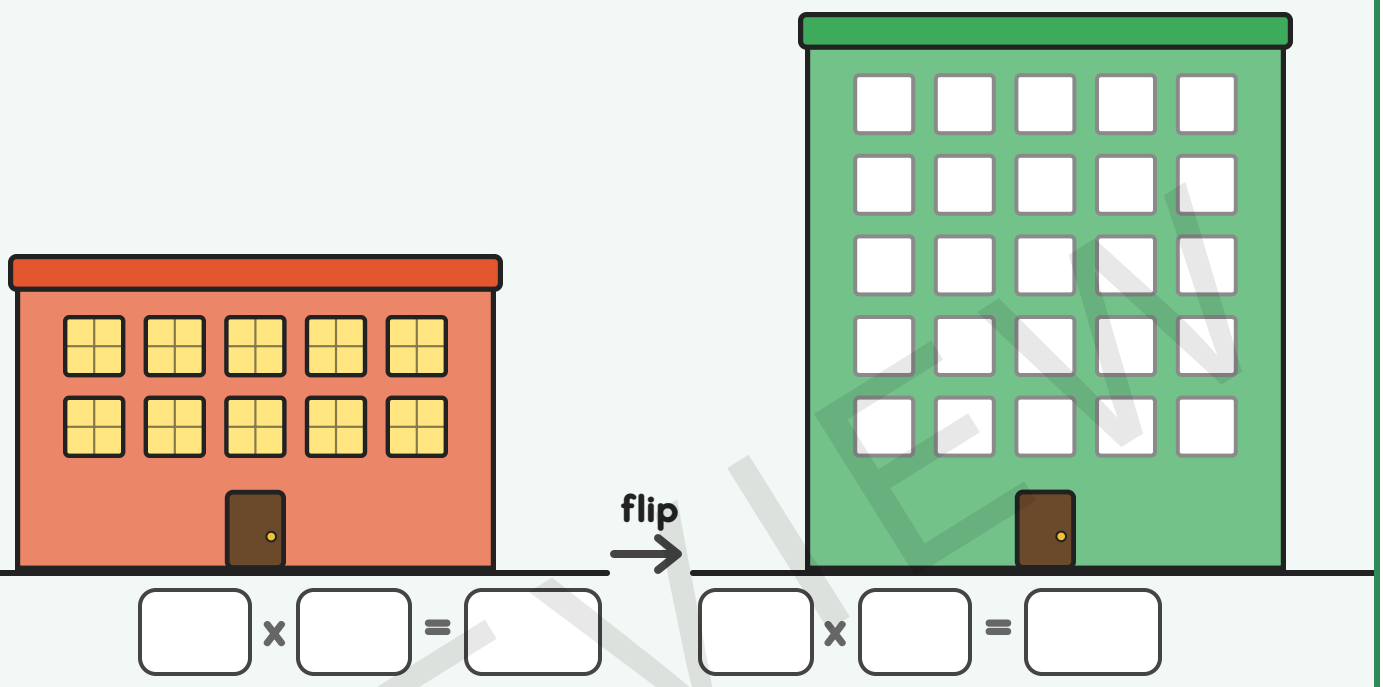
5 x 5 = ☐

PREVIEW

My name _____

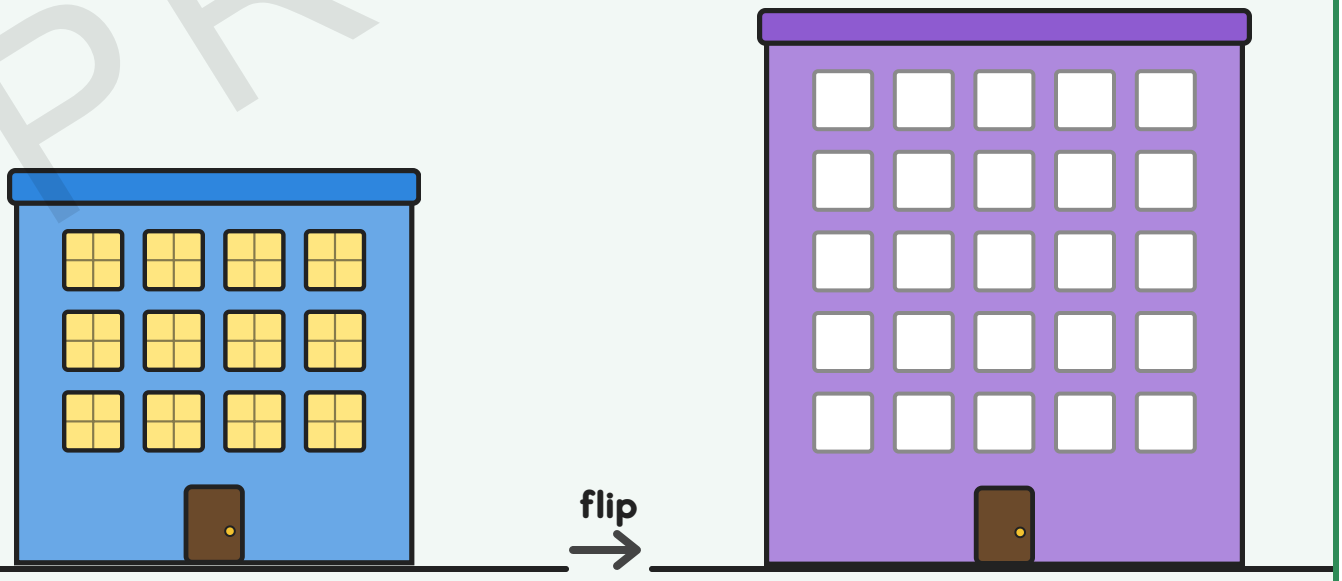
Write the array. Color its flip.

Write this array. Then color its flip.



☐ x ☐ = ☐ ☐ x ☐ = ☐

Write this array. Then color its flip.



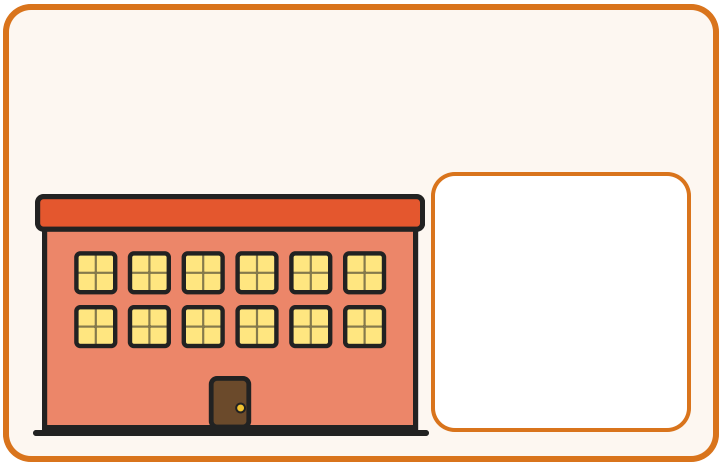
☐ x ☐ = ☐ ☐ x ☐ = ☐

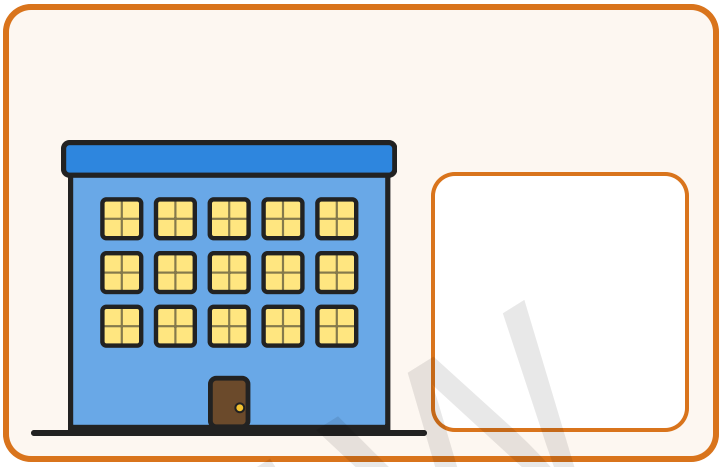
PREVIEW

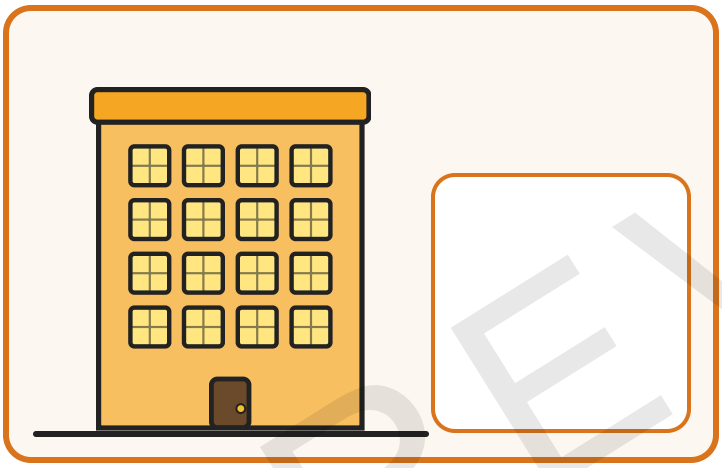
Preview · Bright Path Sped

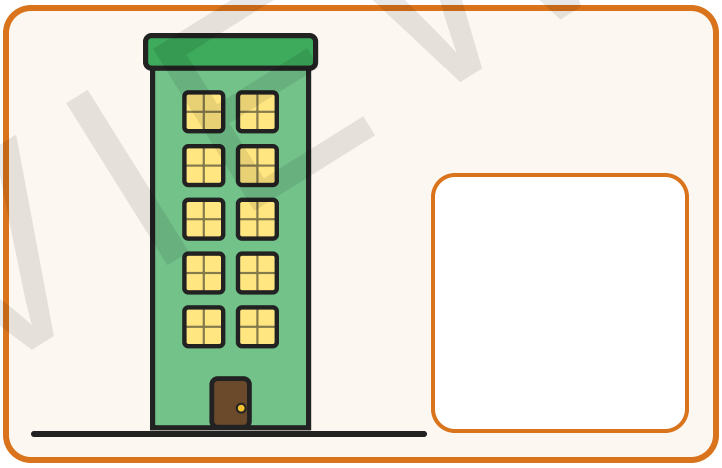
My name _____

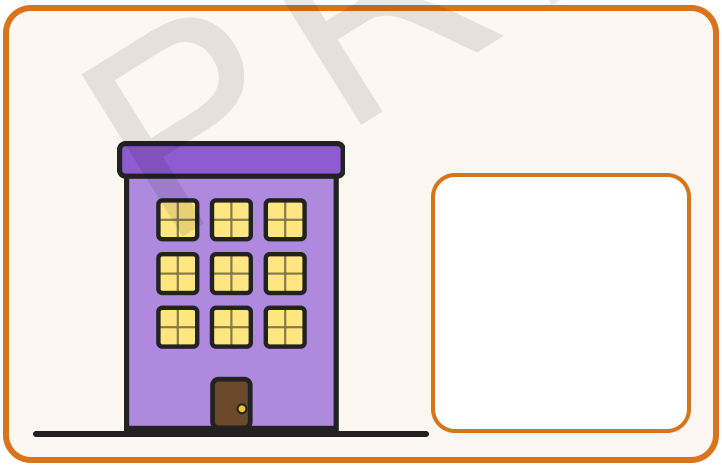
Cut. Glue each tag by its building.

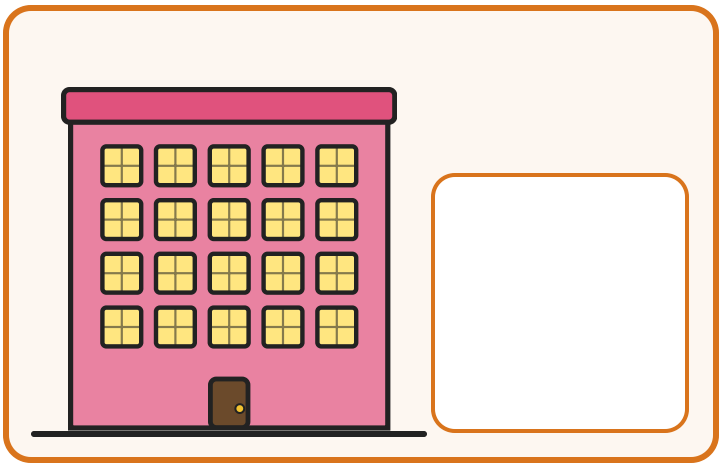










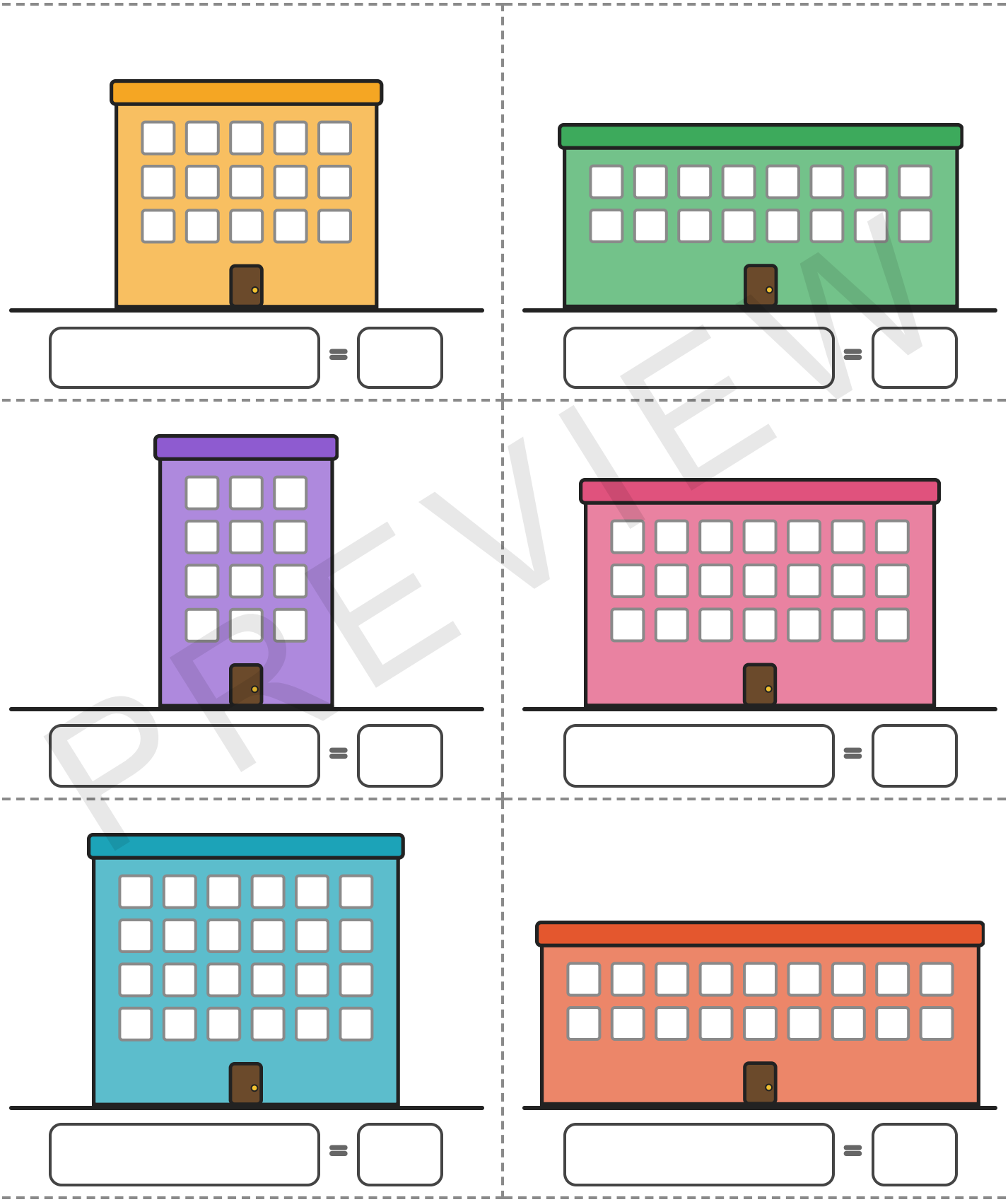


5 + 5 + 5	6 + 6	2 + 2 + 2 + 2 + 2	5 + 5 + 5 + 5	4 + 4 + 4 + 4	3 + 3 + 3

PREVIEW

My name _____

Color. Add the rows. Cut.

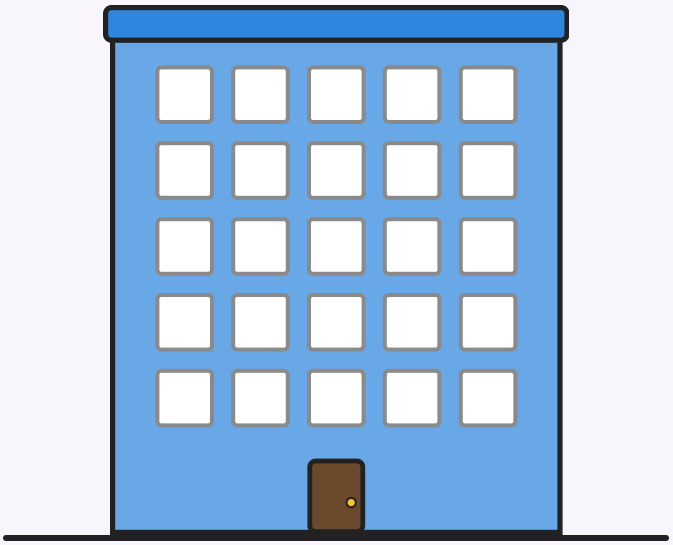


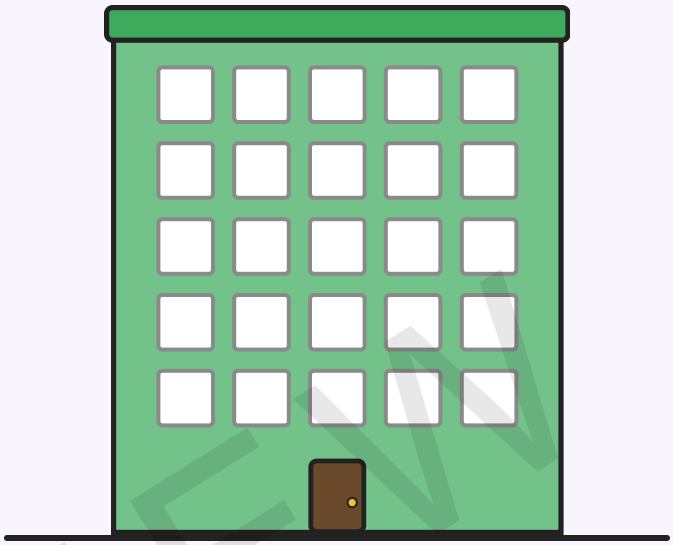
PREVIEW

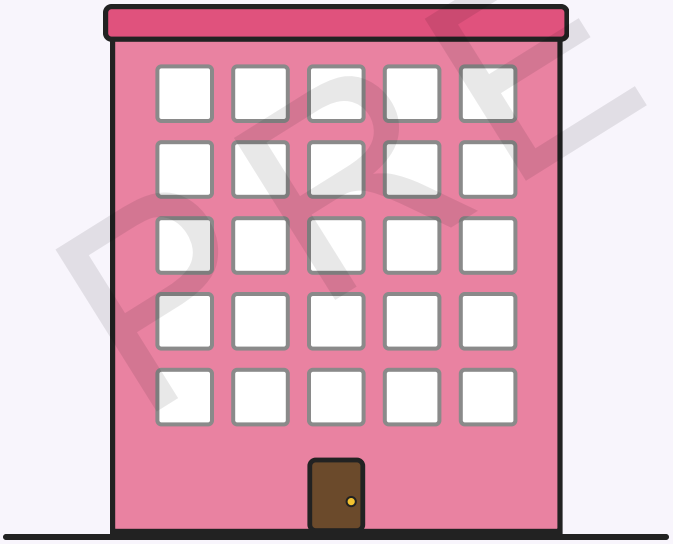
My name _____

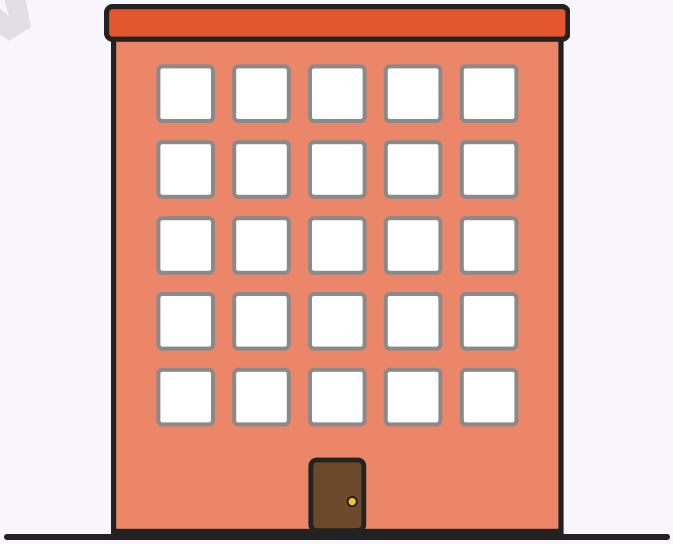


Design 4 buildings. Write each equation.









All four: ☐ + ☐ + ☐ + ☐ = ☐ **windows**

PREVIEW

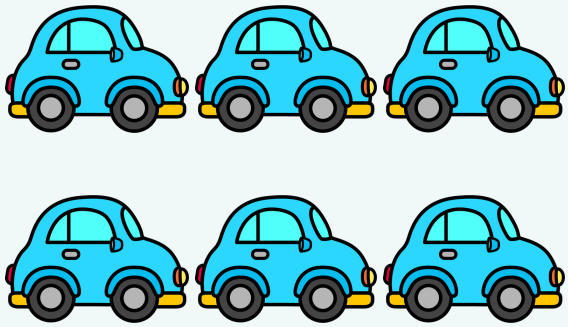
Preview · Bright Path Sped

My name _____



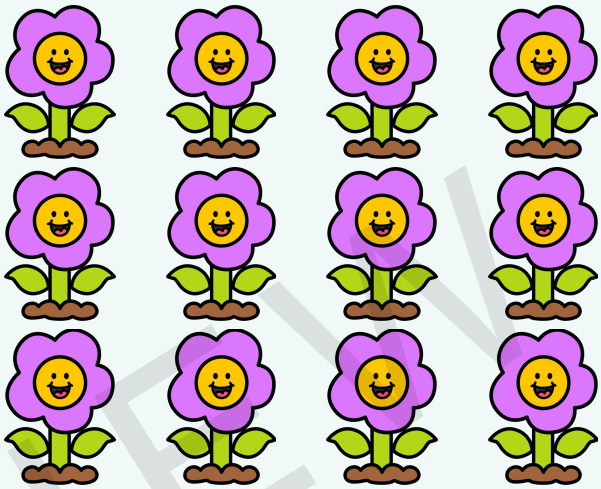
Count the rows and columns. Write the equation.

Parking lot



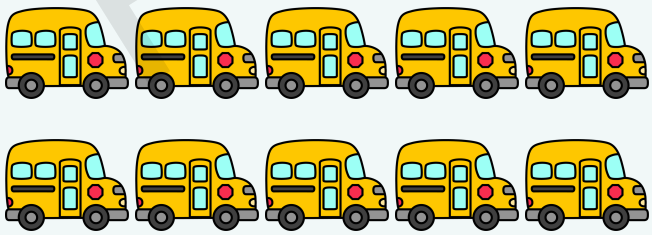
☐ x ☐ = ☐

Garden



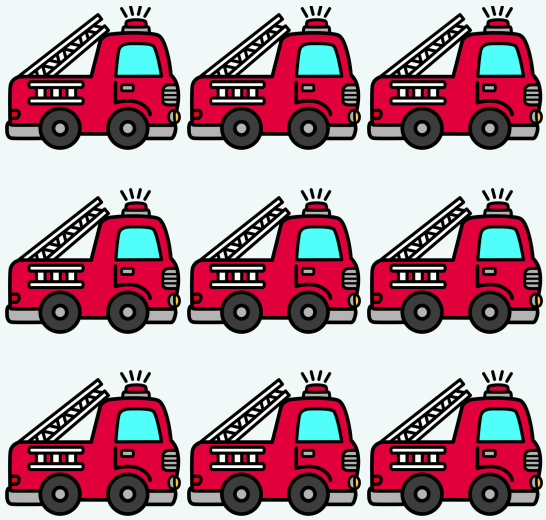
☐ x ☐ = ☐

Bus stop



☐ x ☐ = ☐

Fire station



☐ x ☐ = ☐

PREVIEW

Preview · Bright Path Sped

Answer Key 1

Each answer is for the problem number on its page. A building has rows (across) and columns (down).

Page 4: Count Rows and Columns

1) 2 rows, 4 columns, 8 windows
2) 3 rows, 3 columns, 9 windows
3) 2 rows, 5 columns, 10 windows
4) 4 rows, 3 columns, 12 windows

Page 5: Rows, Columns, Equation

1) 3 rows, 5 columns, 3 x 5 = 15
2) 4 rows, 4 columns, 4 x 4 = 16
3) 2 rows, 6 columns, 2 x 6 = 12
4) 5 rows, 2 columns, 5 x 2 = 10

Page 6: Both Ways

1) 6 x 4 = 24 and 4 x 6 = 24
2) 5 x 5 = 25 and 5 x 5 = 25
3) 3 x 7 = 21 and 7 x 3 = 21
4) 4 x 8 = 32 and 8 x 4 = 32

Page 7: Add the Rows

1) 4 + 4 + 4 = 12; 3 x 4 = 12
2) 7 + 7 = 14; 2 x 7 = 14
3) 5 + 5 + 5 + 5 = 20; 4 x 5 = 20

Page 8: Which Has More

1) 12 and 10: circle the left building
2) 16 and 15: circle the left building
3) 9 and 10: circle the right building

Page 9: Color the Rows

1) 2 rows of 3 = 6 windows
2) 3 rows of 2 = 6 windows
3) 2 rows of 4 = 8 windows
4) 3 rows of 3 = 9 windows

Page 10: Color and Write

1) 4 x 4 = 16
2) 3 x 5 = 15
3) 2 x 6 = 12
4) 5 x 2 = 10

Page 11: Draw the Array

1) 4 x 5 = 20
2) 6 x 4 = 24
3) 3 x 6 = 18
4) 5 x 5 = 25

Page 12: From Repeated Addition

1) 4 + 4 + 4: 3 rows of 4; 3 x 4 = 12
2) 5 + 5: 2 rows of 5; 2 x 5 = 10
3) 3 + 3 + 3 + 3 + 3: 5 rows of 3; 5 x 3 = 15
4) 6 + 6 + 6: 3 rows of 6; 3 x 6 = 18

Page 13: Flip It

1) 2 x 5 = 10 and the flip 5 x 2 = 10
2) 3 x 4 = 12 and the flip 4 x 3 = 12

Reading the key

- Rows go across and columns go down, so 3 rows of 4 is 3 x 4 = 12 and 4 + 4 + 4 = 12.
- Pages 6 and 13 ask for both orders: same two numbers, same total.
- Pages 9-12 are colored by hand: any full rows and columns of the right size are right.

PREVIEW

Tracker and Roll-Up

Write the date. Color a box for each right answer. A blank row means not done yet, never wrong.

Student _____ Teacher _____ School year _____

Page	Sheet	Date	Right	Out of
4	Count Rows and Columns		☐☐☐☐☐☐	4
5	Rows, Columns, Equation		☐☐☐☐☐☐	4
6	Both Ways		☐☐☐☐☐☐	4
7	Add the Rows		☐☐☐☐☐☐	3
8	Which Has More		☐☐☐☐☐☐	3
9	Color the Rows		☐☐☐☐☐☐	4
10	Color and Write		☐☐☐☐☐☐	4
11	Draw the Array		☐☐☐☐☐☐	4
12	From Repeated Addition		☐☐☐☐☐☐	4
13	Flip It		☐☐☐☐☐☐	2
14	Tags: Equations		☐☐☐☐☐☐	6
15	Tags: Repeated Addition		☐☐☐☐☐☐	6
16	Tags: Big Arrays		☐☐☐☐☐☐	6
17	Cut-Out Buildings: Equations		☐☐☐☐☐☐	6
18	Cut-Out Buildings: Add the Rows		☐☐☐☐☐☐	6
22	Picture Arrays		☐☐☐☐☐☐	4
23	Array Stories		☐☐☐☐☐☐	3

PREVIEW

Roll-up: the colored boxes in the Right column are the number right. Count them for the totals.

Total right, all sheets _____ Total out of, sheets done _____

Notes for the team

Arrays at Home

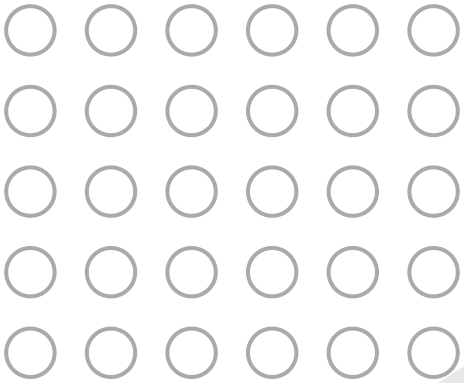
Send this page home with a child, or hand it to a family at a conference.

Student _____ Week of _____

How to help at home, in three steps

- Look for things set in rows and columns: an egg carton, a muffin pan, an ice cube tray, window panes, floor tiles, a tray of cookies.
- Ask: how many rows? How many columns? How many in all?
- Draw it on the dots below and write the equation. Count the other way too.

Our family array



I found a

rows ☐

columns ☐

☐ × ☐ = ☐

Try saying

- "Which way do the rows go? Which way do the columns go?"
- "What if we turn it? Is the total the same?"

Note from the teacher

Note from home

PREVIEW