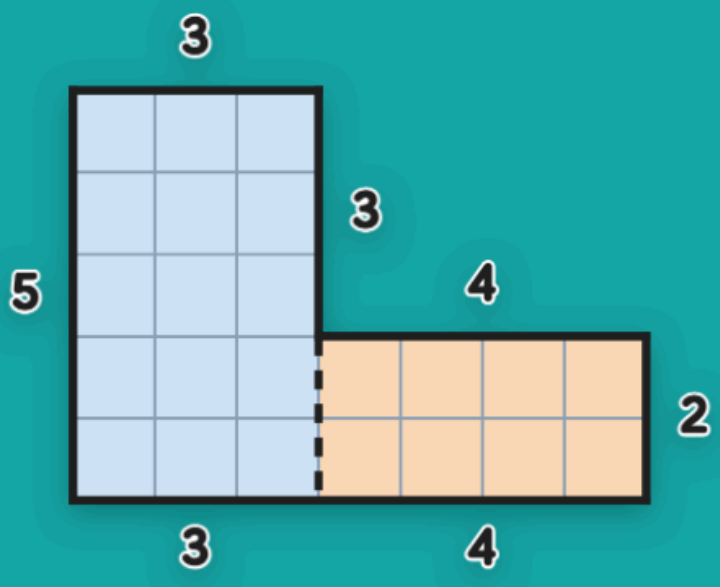
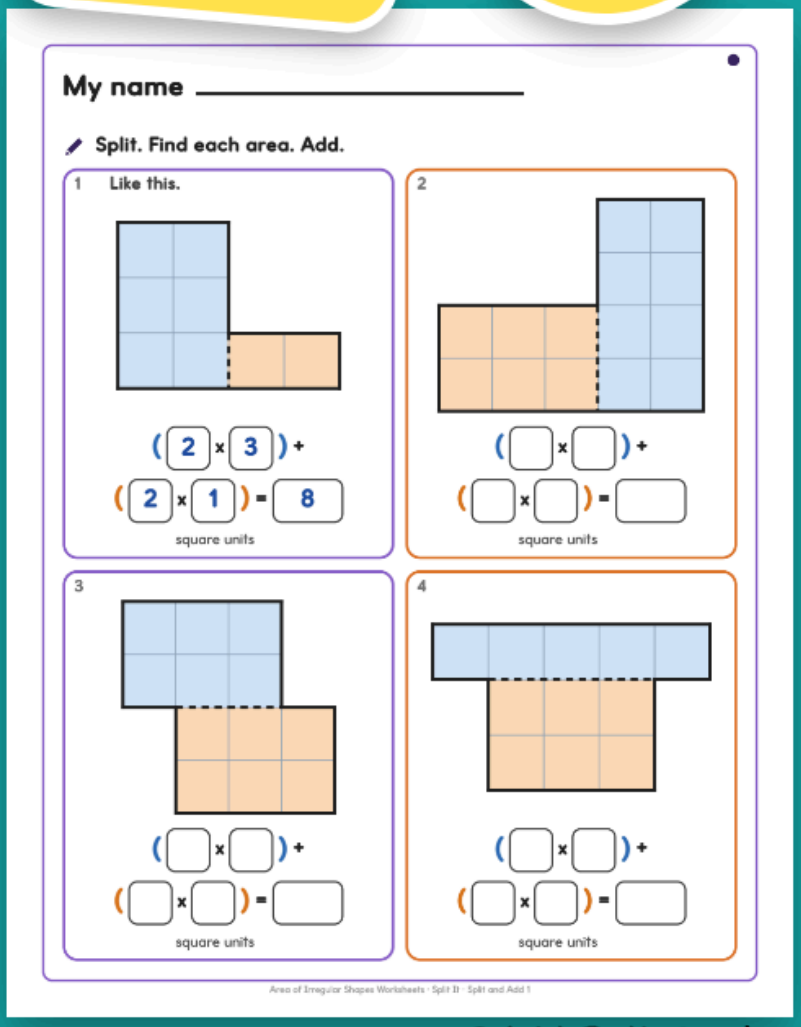
AREA OF IRREGULAR SHAPES

Split, Add, Subtract Notches



GRADES 3-4

29 PAGES


My name _____

Split. Find each area. Add.

1 Like this.

(2 x 3) +
(2 x 1) = 8
square units

2

( ) x ( ) +
( ) x ( ) =
square units

3

( ) x ( ) +
( ) x ( ) =
square units

4

( ) x ( ) +
( ) x ( ) =
square units

Area of Irregular Shapes Worksheets · Split It · Split and Add 1

Bright Path Sped

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This is a fillable PDF

- Open it in a PDF reader (Adobe Acrobat Reader, Preview, or your browser), click into a box, type, and Save As.
- The name line, every answer box, the tracker and the notes areas are type-in fields. You can also print any page and write by hand.
- It works offline. No account, no subscription, no internet connection needed after you download it.

Print and go

Print at 100 percent, in color or black and white. The cutting pages are on pages 19-21: each has five big pieces edge to edge, so each cut is one straight line.

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.

Need help?

If a box 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 a free update: re-download it any time from My Purchases.

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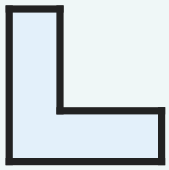
PREVIEW

My name _____

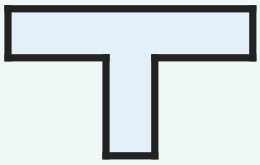
Read the steps. Keep them close.

A rectilinear figure

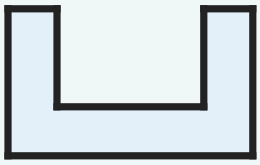
has only square corners.
Area is how many squares cover it.



L shape

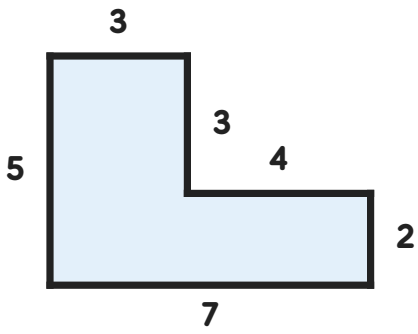


T shape



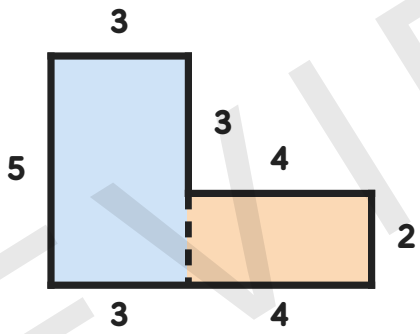
U shape

1. Look



Read the sides.

2. Split



Cut it into two rectangles.

3. Add

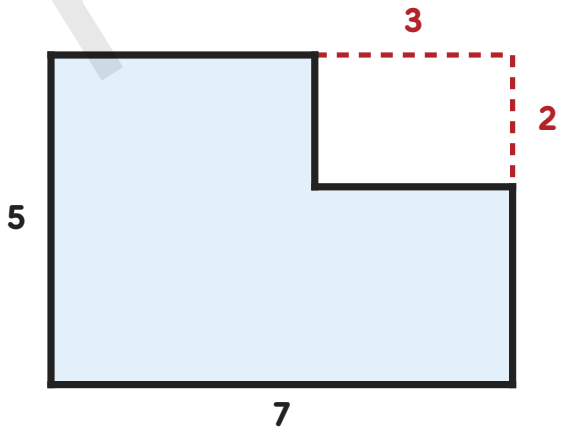
3 x 5 = 15

4 x 2 = 8

15 + 8 = 23

23 square cm

Or take the notch away



Big rectangle, then the red notch.

Big minus notch

7 x 5 = 35

3 x 2 = 6

35 - 6 = 29

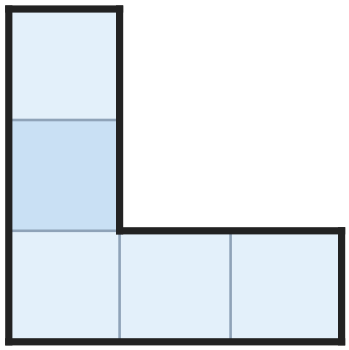
Write square units.
Check: count the squares.

PREVIEW

My name _____

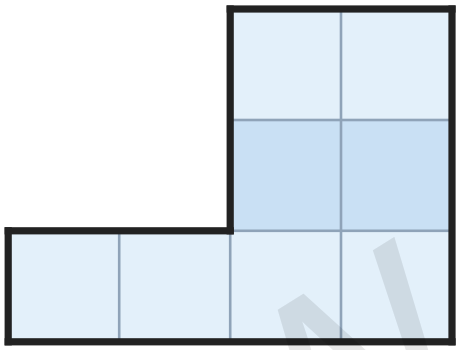
Count the squares. Write the area.

1



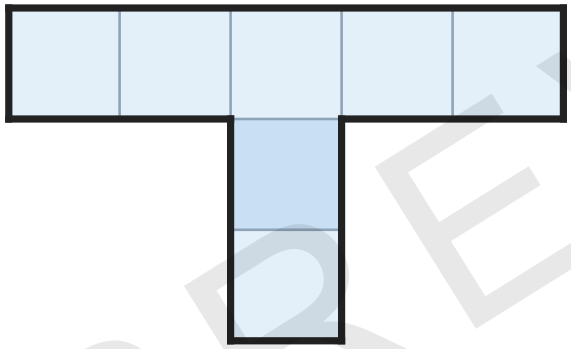
square units

2



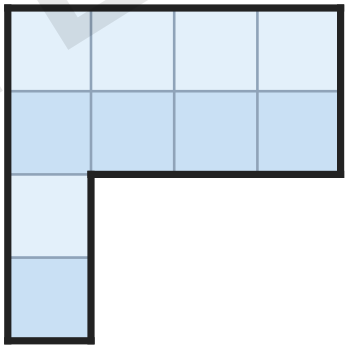
square units

3



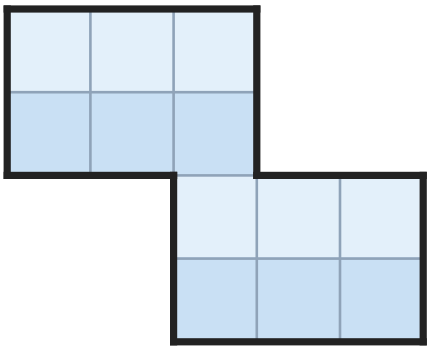
square units

4



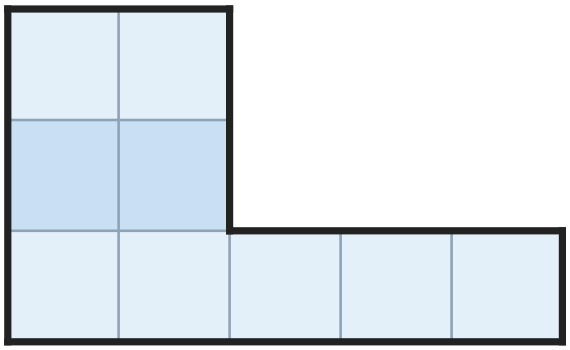
square units

5



square units

6



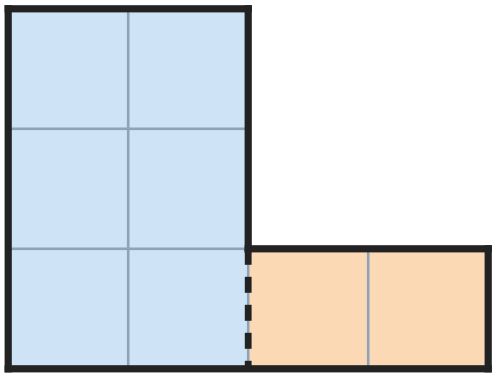
square units

PREVIEW

My name _____

Split. Find each area. Add.

1 Like this.

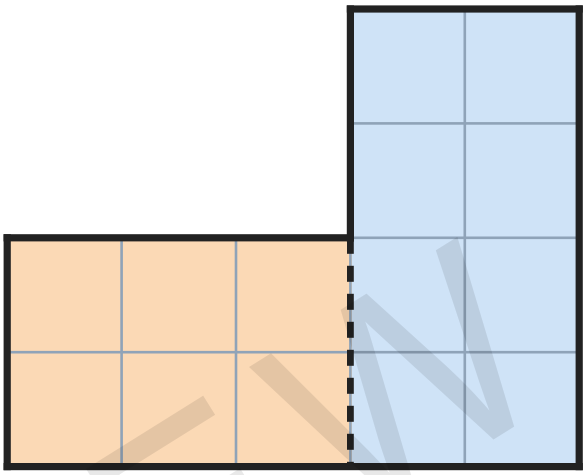


(2 x 3) +

(2 x 1) = 8

square units

2

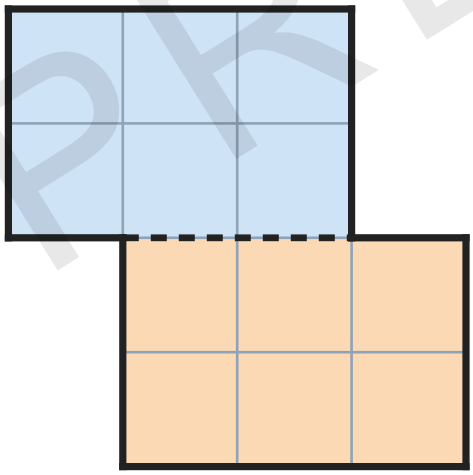


(☐ x ☐) +

(☐ x ☐) = ☐

square units

3

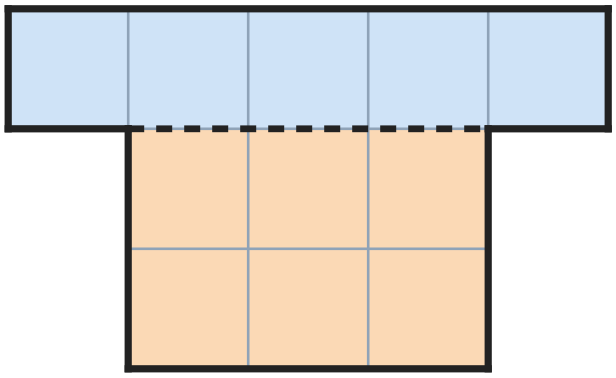


(☐ x ☐) +

(☐ x ☐) = ☐

square units

4



(☐ x ☐) +

(☐ x ☐) = ☐

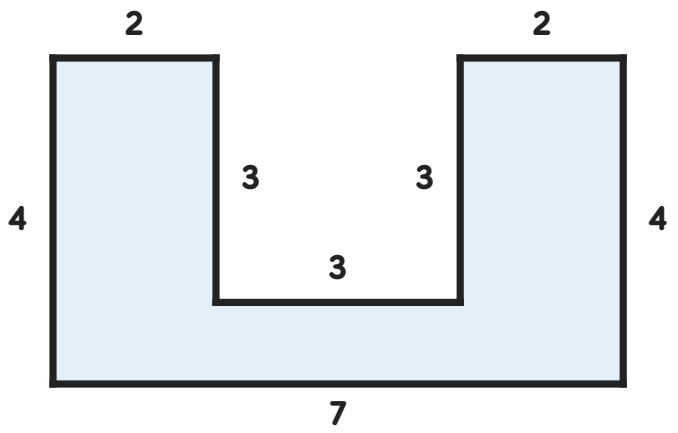
square units

PREVIEW

My name _____

Draw a line to split it. Find the area.

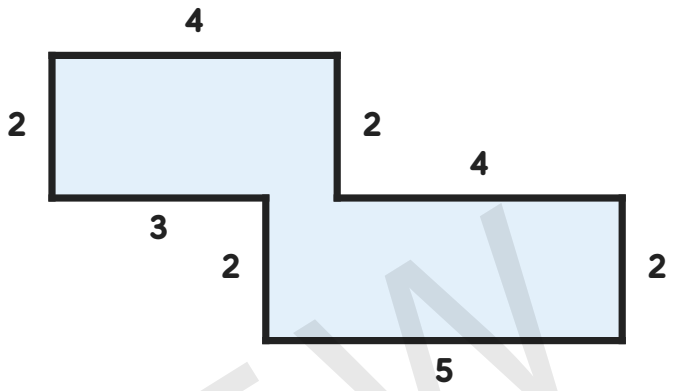
1



Area = ☐ square in

Show your work

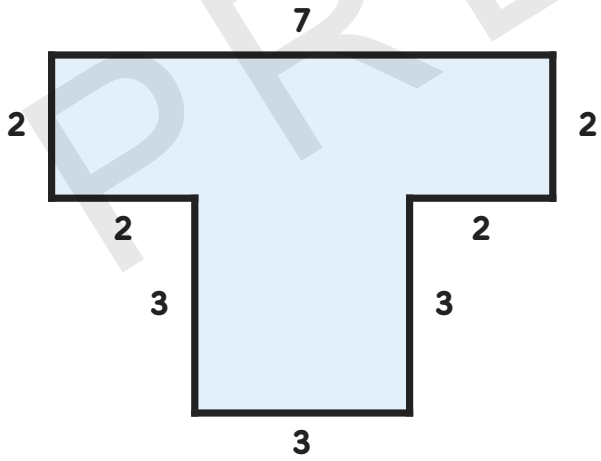
2



Area = ☐ square in

Show your work

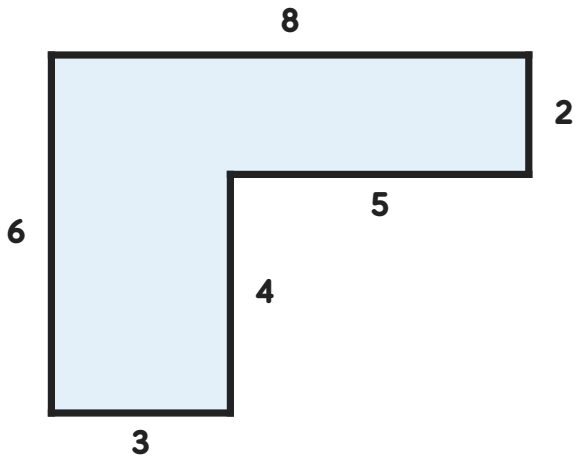
3



Area = ☐ square in

Show your work

4



Area = ☐ square in

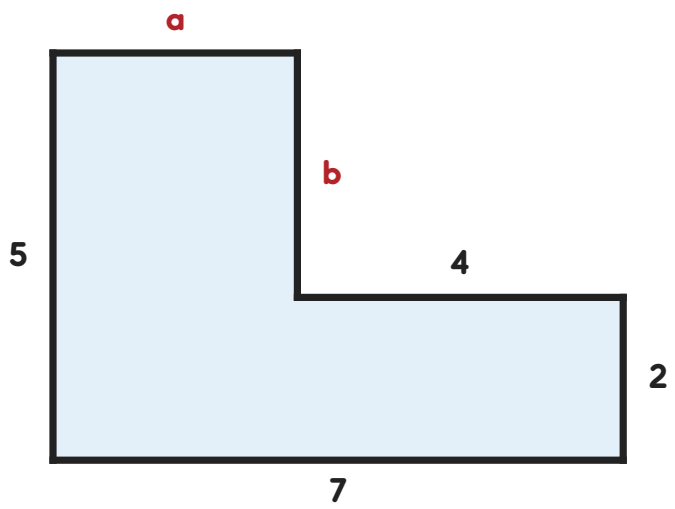
Show your work

PREVIEW

My name _____

Find the sides. Then find the area.

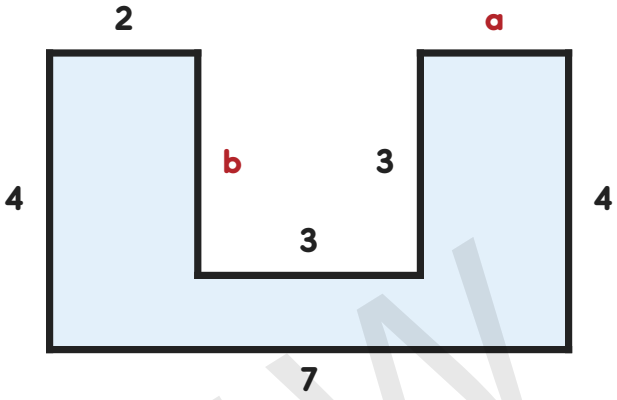
1 Like this.



a = 3 b = 3 in

Area = 23 square in

2

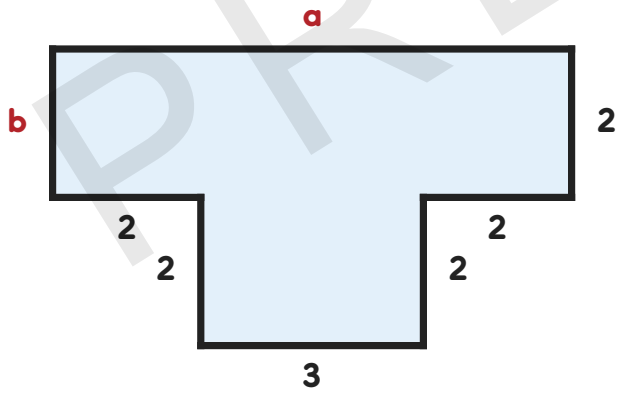


a = ____ b = ____ in

Area = ____ square in

Show your work

3

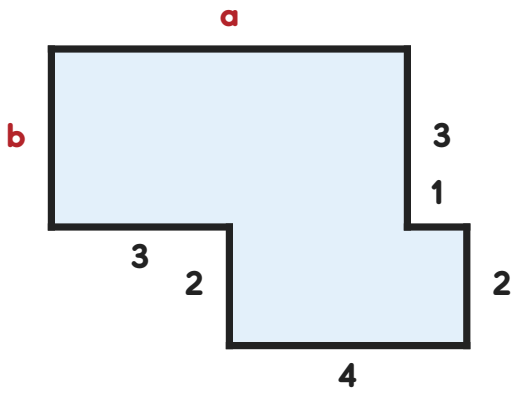


a = ____ b = ____ in

Area = ____ square in

Show your work

4



a = ____ b = ____ in

Area = ____ square in

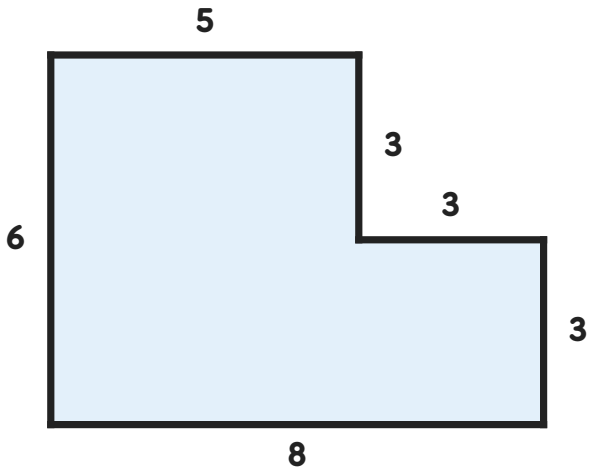
Show your work

PREVIEW

My name _____

Think big rectangle. Take out the notch.

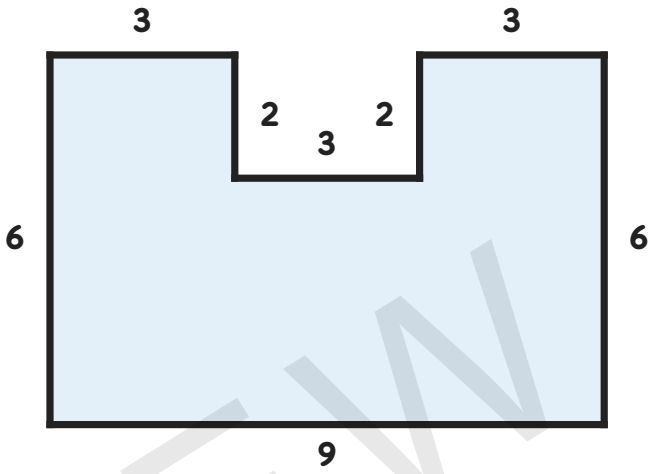
1



(☐ x ☐) - (☐ x ☐) = ☐

square in

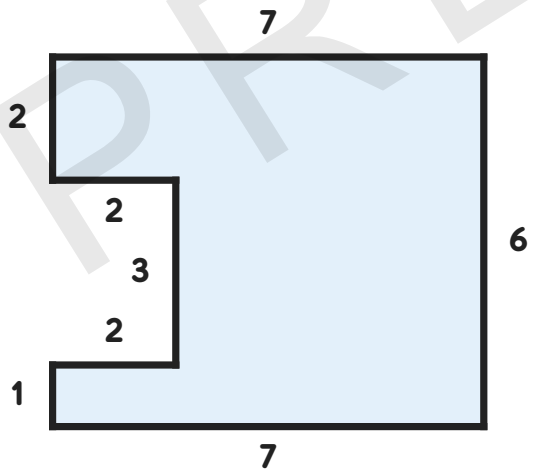
2



(☐ x ☐) - (☐ x ☐) = ☐

square in

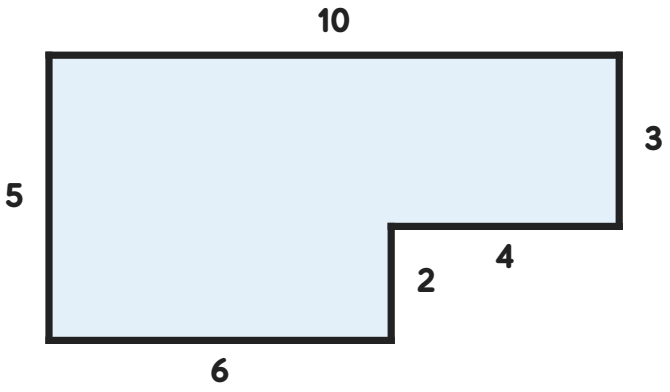
3



(☐ x ☐) - (☐ x ☐) = ☐

square in

4



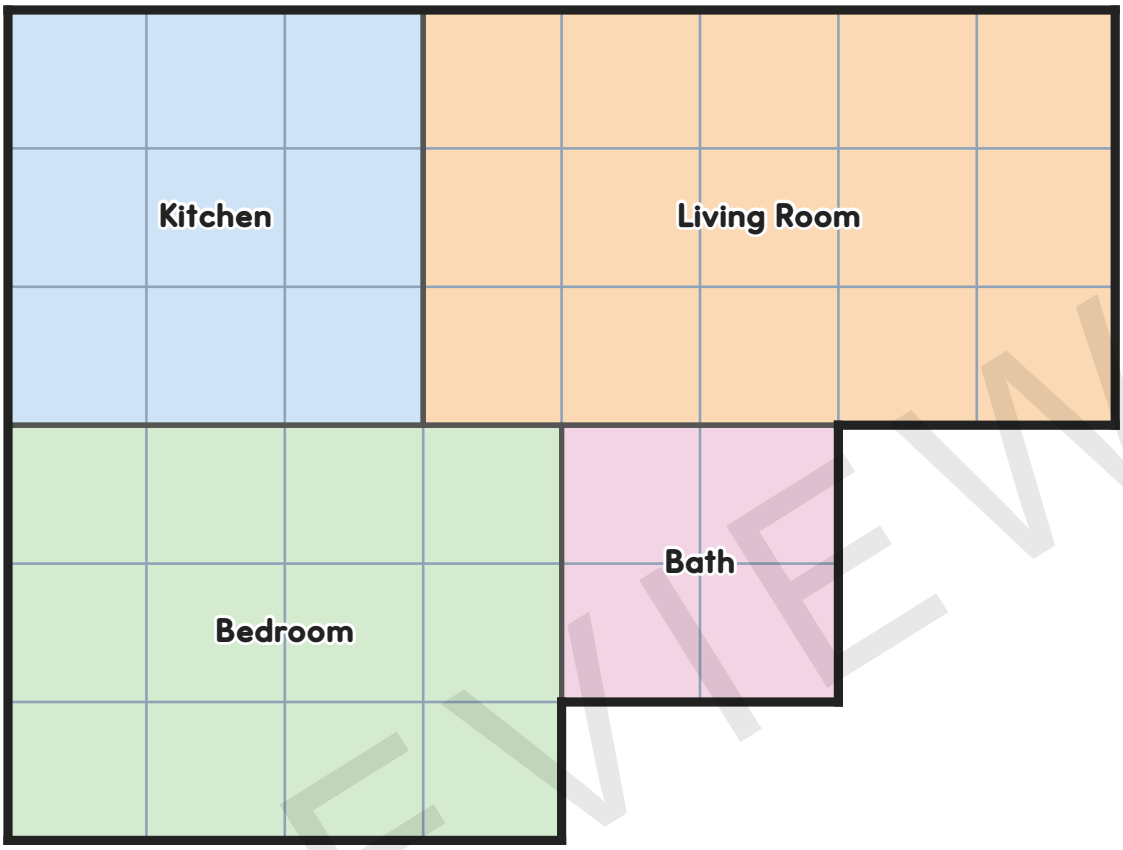
(☐ x ☐) - (☐ x ☐) = ☐

square in

PREVIEW

My name _____

Count the squares in each room.



PREVIEW

Kitchen ☐

Living Room ☐

Bedroom ☐

Bath ☐

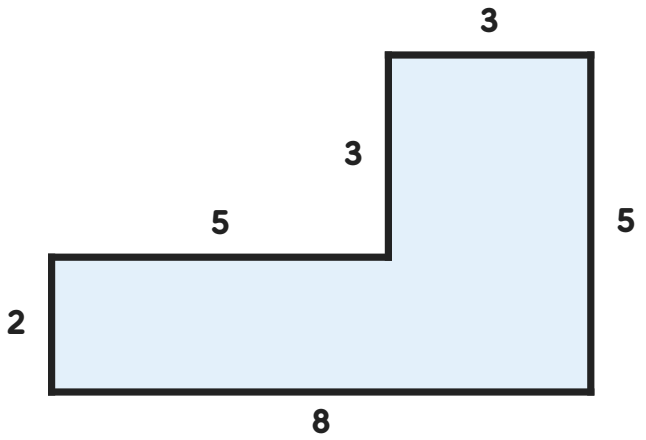
All rooms together ☐ square units

The biggest room is the ☐

My name _____

Find the area. Show your work.

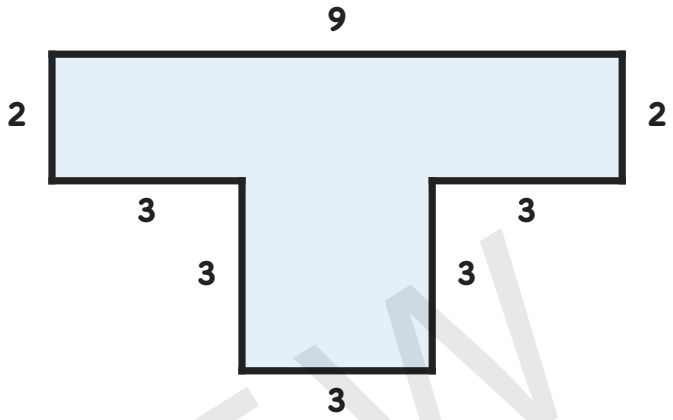
1



Area = ☐ square cm

Show your work

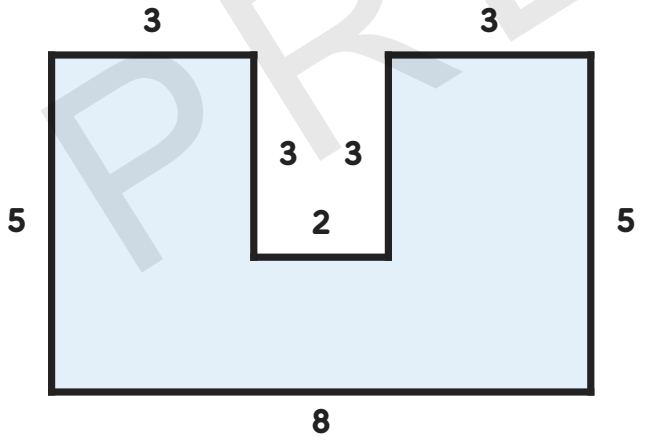
2



Area = ☐ square cm

Show your work

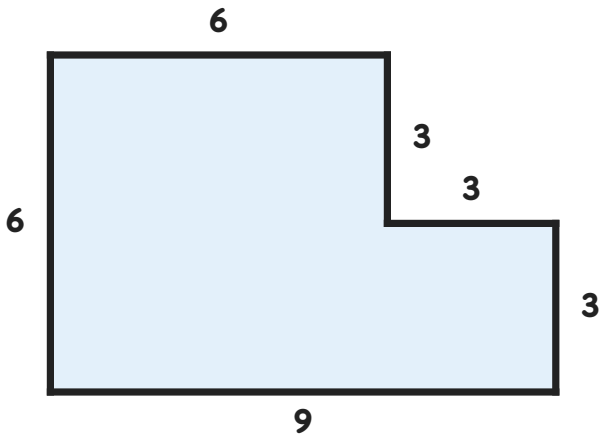
3



Area = ☐ square cm

Show your work

4



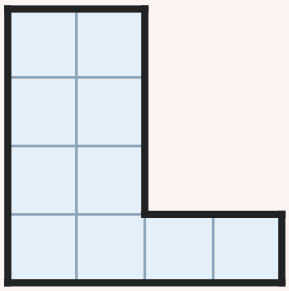
Area = ☐ square cm

Show your work

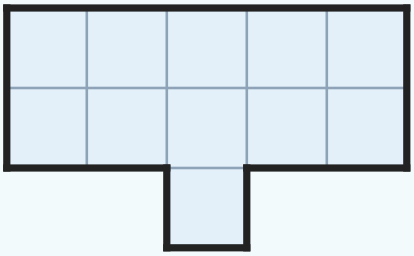
PREVIEW

My name _____

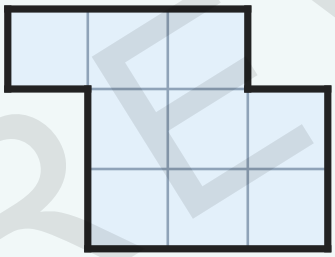
Cut. Glue the area.



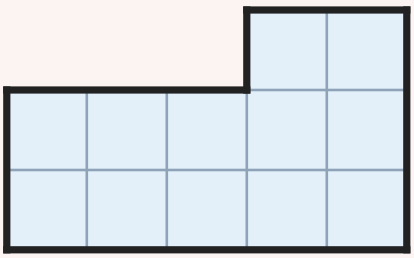
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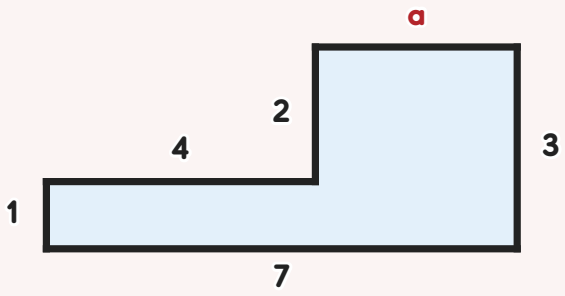
=

14 sq units	**10** sq units	**11** sq units	**12** sq units	**9** sq units

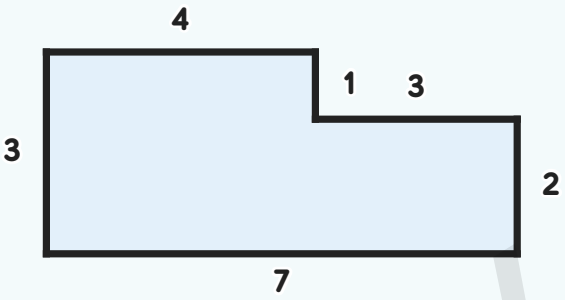
PREVIEW

My name _____

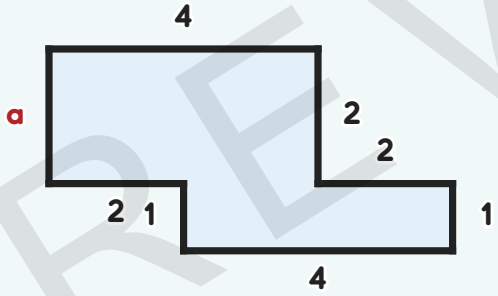
Find the side. Cut. Glue the area.



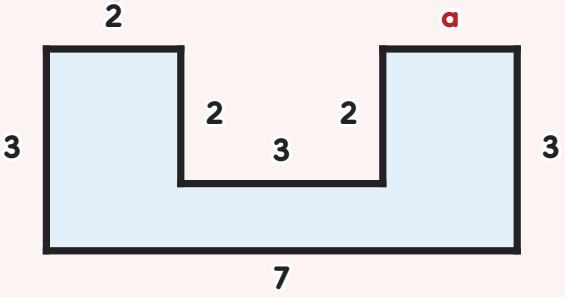
=



=



=



=

18	13	26	12	15
sq in	sq in	sq in	sq in	sq in

PREVIEW

Answer Key 2

Each number is the item number on its page.

Page 13 · Find the Notch

1) (8 x 6) - (3 x 3) = 39
2) (9 x 6) - (3 x 2) = 48
3) (7 x 6) - (2 x 3) = 36
4) (10 x 5) - (4 x 2) = 42

Page 14 · Two Ways, Same Area

1) Way 1: (2 x 4) + (4 x 1) = 12
1) Way 2: (2 x 3) + (6 x 1) = 12
same area: yes
2) Way 1: (3 x 5) + (4 x 2) = 23
2) Way 2: (3 x 3) + (7 x 2) = 23
same area: yes

Page 15 · Floor Plan: Count

Kitchen 9 Living Room 15 Bedroom 12 Bath 4 all rooms 40 biggest: Living Room

Page 16 · Floor Plan: Multiply

Living Room: 6 x 4 = 24
Kitchen: 4 x 3 = 12
Dining: 4 x 2 = 8
Bedroom: 4 x 3 = 12
Bath: 2 x 3 = 6
all rooms 62, biggest: Living Room

Notches and floor plans

On Subtract the Notch the red numbers are the notch and the dark numbers are the big rectangle. On Find the Notch, read the big rectangle from the two longest sides and the notch from the sides tucked inside. On a floor plan the all-rooms total equals the count of every square.

PREVIEW

Tracker

For each page, write the date and how many were right. A blank row means not done yet, never wrong.

Student _____ Teacher _____ School year _____

Page	Skill	Date	Right	Out of	Notes
5	Count the Squares 1			6	
6	Count the Squares 2			6	
7	Split and Add 1			3	
8	Split and Add 2			4	
9	Split It Yourself			4	
10	Find the Missing Side			6	
11	Missing Sides and Area			3	
12	Subtract the Notch			3	
13	Find the Notch			4	
14	Two Ways, Same Area			2	
15	Floor Plan: Count			5	
16	Floor Plan: Multiply			7	
17	Mixed Review 1			4	
18	Mixed Review 2			4	
19	Cut and Glue: Count			4	
20	Cut and Glue: Sides			4	
21	Cut and Glue: Missing Side			4	

PREVIEW

Area at Home

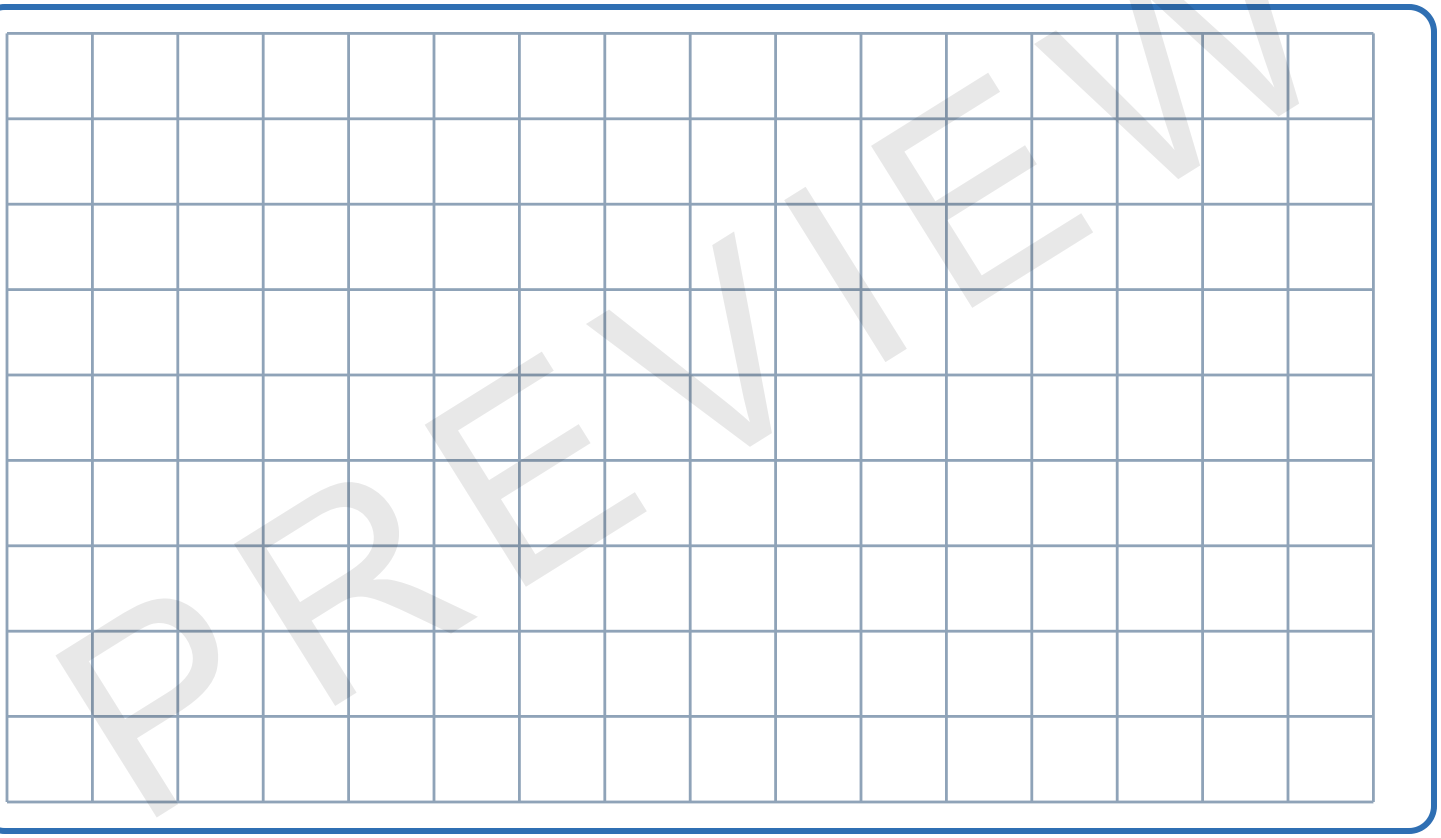
Send this page home with a child, or hand it to a family at a conference. Change the hunt to match your week.

Student _____ Week of _____

How to help at home, in three steps

- Pick a floor, a rug or a table top with a straight edge. Count tiles or squares together.
- Draw its shape on the grid below, one square for each tile. Add a bump or a notch if it has one.
- Count the squares, or split the shape and add. Write the number and say "square units."

Draw it here



PREVIEW

My shape has ____ **square units. I counted** ____ **by** _____

Try saying

- "Can you split it into two rectangles? Where would the line go?"
- "What is the length and the width of each part?"
- "Does counting the squares give the same number?"