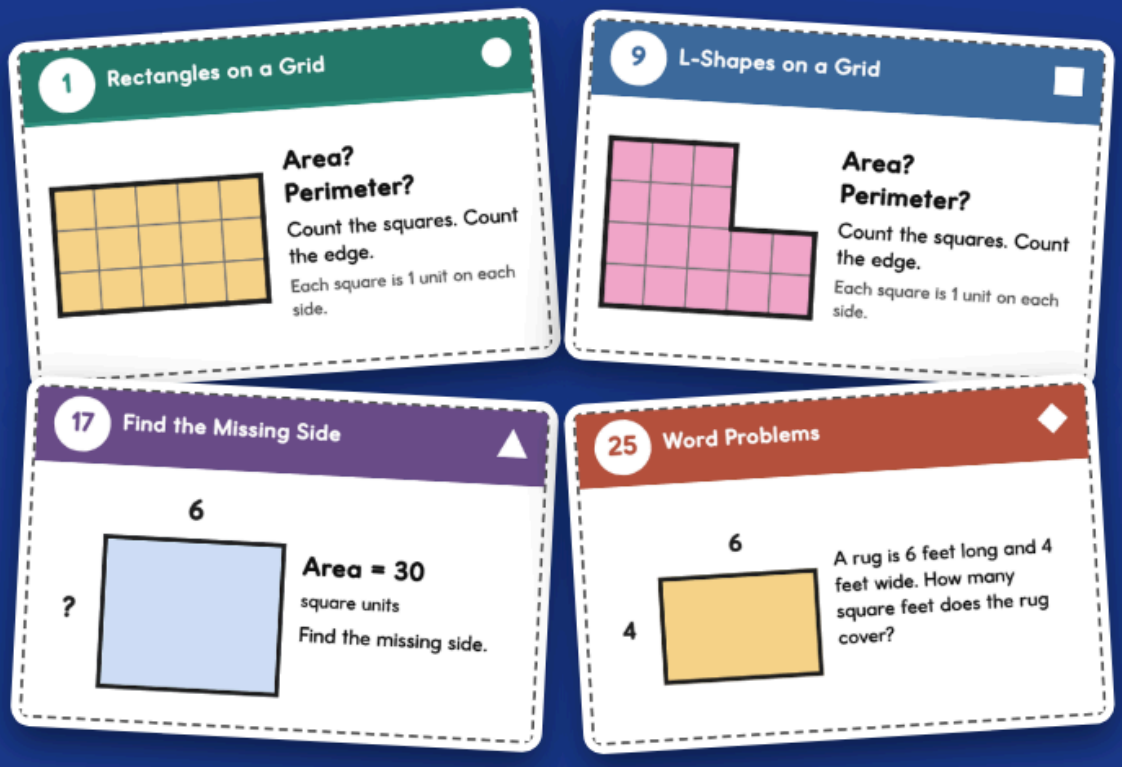
Bright Path Sped

AREA AND PERIMETER TASK CARDS

32 CARDS · GRADES 3-4



4 LEVELS **ANSWER KEY**

Terms of Use

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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 fillable PDF

- Open it in a PDF reader (Adobe Acrobat Reader, Preview, or your browser), click into a line or a box, type, and Save As.
- The name line and every answer box and check box on the recording sheets are type-in fields, and so are the tracker, class grid and family page. You can also print any page and write by hand.
- The task cards are made to print and cut, so they are not type-in pages.
- It works offline, with no account or subscription.

Print at 100 percent

Turn off fit to page and shrink to fit so the cards stay the size they are meant to be. Every card page also comes in a black-and-white copy that uses very little ink, and every student page reads when copied in black and white.

Student work

A filled-in tracker carries a real student's name. Keep it in your data folder.

Need help?

If a page will not print right, use Ask a Question on the product page. A fix ships as a free update.

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PREVIEW

How To Use the Cards

The parts of a card, how to get them ready, and ways to use them.

The parts of a card

- **The card number.** The circle in the corner. It matches the row on the recording sheet and the key.
- **The shape and the name.** Circle, square, triangle or diamond, with the name of the task, shows which of the four levels a card is.
- **The picture.** Levels 1 and 2 are drawn with real unit squares, so a student can count them. Level 3 is a labeled rectangle. Level 4 has a story and a labeled picture.
- **The prompt.** One short line tells the student what to find. The answers go on the recording sheet, so a laminated card can be used again.

Prep: print, cut, laminate

- Print pages 6 to 9 at 100 percent. Each card is 3.7 by 2.4 inches and 8 fit on a page with no gaps: one cut down the middle and three across.
- Print pages 18 to 21 instead if you want to save ink. They are the same cards, the same order, with outlines only and no color. Use them as they are, or let students color the squares.
- The 8 Check It cards (page 14) print in color. Cut them the same way.
- The sort cards (page 16) are for students to cut: 12 equal cards, 3 across and 4 down.

Three ways to run the cards

- A center: laminate one level, add its recording sheet and a pencil.
- Scoot: one card on each desk, students move on when you call, and write on the recording sheet.
- Small group: read a card aloud, then each child points to the squares or the sides before anyone writes.
- Partner check: swap sheets and check with the key.

Say it out loud

- Ask: Are we finding the inside or the way around?
- Ask: Which units do we say, square units or units? Why?
- Ask: Does the answer make sense for this shape?

When an answer is wrong

- Ask the child to trace the edge with a finger, then to color the inside.
- Try the Check It cards (page 14): the wrong answers there are the ones students make.
- Have them count the squares on a Level 1 card to match the product.

Untimed, unscored on the page

No student page has a timer or a score. The keys and the tracker are for you. This is a fillable PDF, not a slideshow or a word-processor file. Every name and number here is invented for practice.

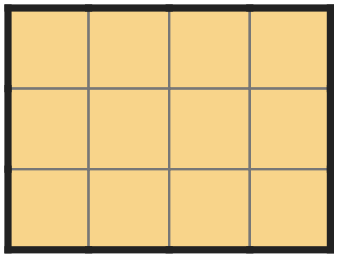
PREVIEW

Preview - Bright Path Sped

My name _____ Date _____

Area and Perimeter

Read the steps. Look at the example.



Area: 4 x 3 = 12

square units

Perimeter: 4 + 3 + 4 + 3 = 14

units

1 Look Is it the inside or the edge?

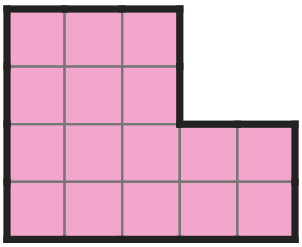
2 Area Count the squares inside. Say square units.

3 Perimeter Add all the sides, the way around. Say units.

4 Check Does the answer make sense?

PREVIEW

9 L-Shapes on a Grid

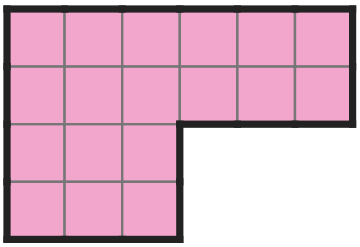


Area?
Perimeter?

Count the squares. Count the edge.

Each square is 1 unit on each side.

10 L-Shapes on a Grid

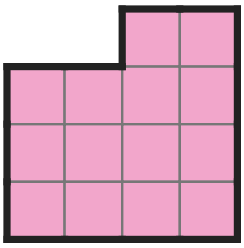


Area?
Perimeter?

Count the squares. Count the edge.

Each square is 1 unit on each side.

11 L-Shapes on a Grid

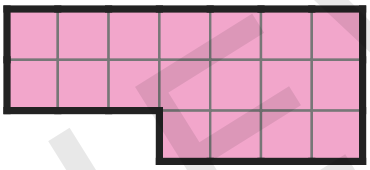


Area?
Perimeter?

Count the squares. Count the edge.

Each square is 1 unit on each side.

12 L-Shapes on a Grid

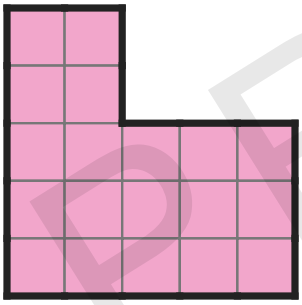


Area?
Perimeter?

Count the squares. Count the edge.

Each square is 1 unit on each side.

13 L-Shapes on a Grid

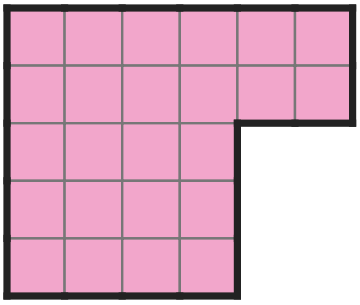


Area?
Perimeter?

Count the squares. Count the edge.

Each square is 1 unit on each side.

14 L-Shapes on a Grid

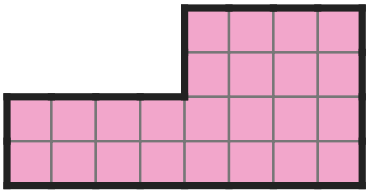


Area?
Perimeter?

Count the squares. Count the edge.

Each square is 1 unit on each side.

15 L-Shapes on a Grid

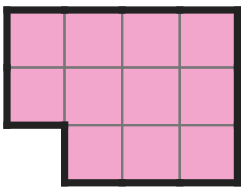


Area?
Perimeter?

Count the squares. Count the edge.

Each square is 1 unit on each side.

16 L-Shapes on a Grid



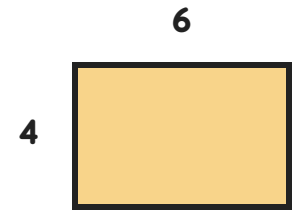
Area?
Perimeter?

Count the squares. Count the edge.

Each square is 1 unit on each side.

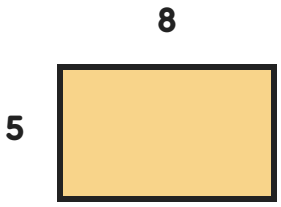
PREVIEW

25 Word Problems



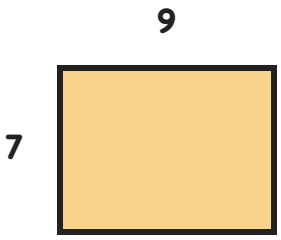
A rug is 6 feet long and 4 feet wide. How many square feet does the rug cover?

26 Word Problems



A garden is 8 yards long and 5 yards wide. A fence goes all the way around it. How many yards of fence?

27 Word Problems



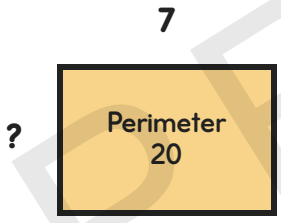
A mat is 9 feet long and 7 feet wide. How many square feet is the mat?

28 Word Problems



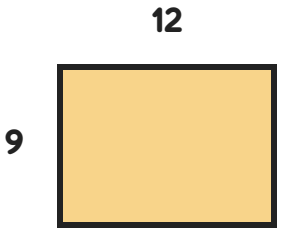
A table top has an area of 35 square feet. It is 7 feet long. How wide is it?

29 Word Problems



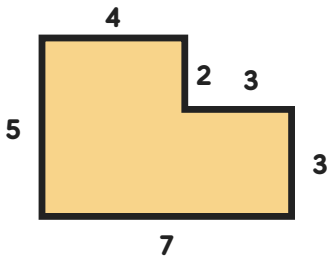
A frame has a perimeter of 20 inches. One side is 7 inches. How long is the next side?

30 Word Problems



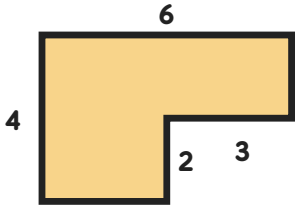
A field is 12 meters long and 9 meters wide. Jo walks once around the edge. How many meters?

31 Word Problems



An L-shaped patio. Every side is in feet. How many square feet is the patio?

32 Word Problems



An L-shaped hall. Two sides are not labeled. How many feet around the edge of the hall?

PREVIEW

Preview - Bright Path Shed

My name _____ Date _____

My Answers: Cards 9 to 16

Look at the card. Write the area and the perimeter.

	area (square units)	perimeter (units)
9		
10		
11		
12		
13		
14		
15		
16		

PREVIEW

Preview - Bright Path Sped

My name _____ Date _____

My Answers: Cards 25 to 32

Read the card. Show your work. Write the answer and the unit.

	show your work	answer	unit word
25			
26			
27			
28			
29			
30			
31			
32			

PREVIEW

My name _____ Date _____

Check It

Which one is right? Check A or B. Then check why.

1. Area and perimeter were mixed up.
2. Only two sides were added.
3. The sides were added, not multiplied.

	the right one		why is the other one not right?		
1	☐ A	☐ B	☐ 1	☐ 2	☐ 3
2	☐ A	☐ B	☐ 1	☐ 2	☐ 3
3	☐ A	☐ B	☐ 1	☐ 2	☐ 3
4	☐ A	☐ B	☐ 1	☐ 2	☐ 3
5	☐ A	☐ B	☐ 1	☐ 2	☐ 3
6	☐ A	☐ B	☐ 1	☐ 2	☐ 3
7	☐ A	☐ B	☐ 1	☐ 2	☐ 3
8	☐ A	☐ B	☐ 1	☐ 2	☐ 3

PREVIEW

Preview - Bright Path Sped

My name _____ Date _____

Area or Perimeter?

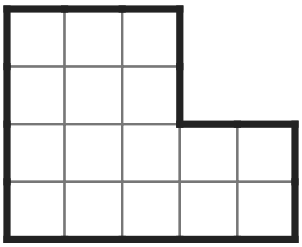
Glue each card in the right box.

Area: the inside

Perimeter: the way around

PREVIEW

9 L-Shapes on a Grid

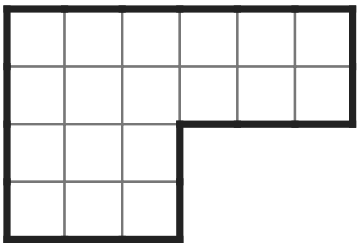


Area?
Perimeter?

Count the squares. Count the edge.

Each square is 1 unit on each side.

10 L-Shapes on a Grid

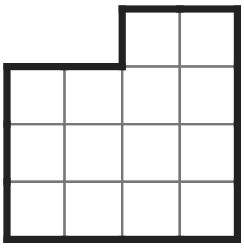


Area?
Perimeter?

Count the squares. Count the edge.

Each square is 1 unit on each side.

11 L-Shapes on a Grid

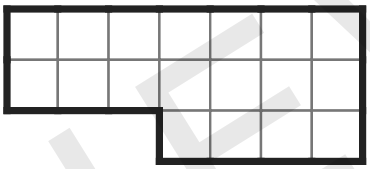


Area?
Perimeter?

Count the squares. Count the edge.

Each square is 1 unit on each side.

12 L-Shapes on a Grid

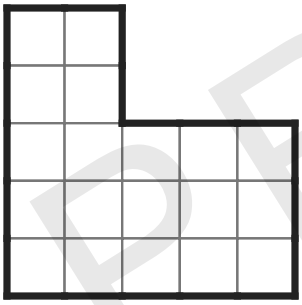


Area?
Perimeter?

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13 L-Shapes on a Grid

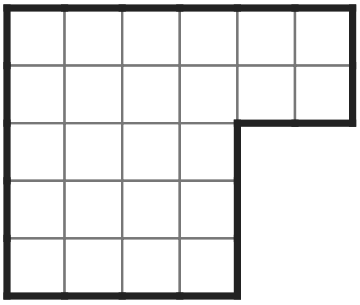


Area?
Perimeter?

Count the squares. Count the edge.

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14 L-Shapes on a Grid

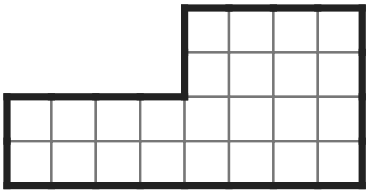


Area?
Perimeter?

Count the squares. Count the edge.

Each square is 1 unit on each side.

15 L-Shapes on a Grid

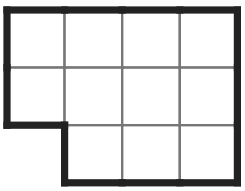


Area?
Perimeter?

Count the squares. Count the edge.

Each square is 1 unit on each side.

16 L-Shapes on a Grid



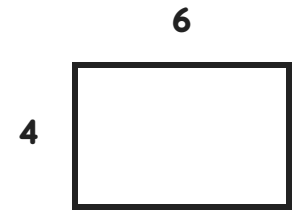
Area?
Perimeter?

Count the squares. Count the edge.

Each square is 1 unit on each side.

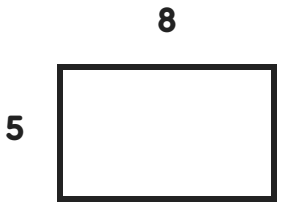
PREVIEW

25 Word Problems



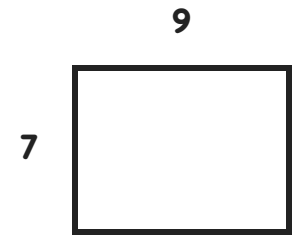
A rug is 6 feet long and 4 feet wide. How many square feet does the rug cover?

26 Word Problems



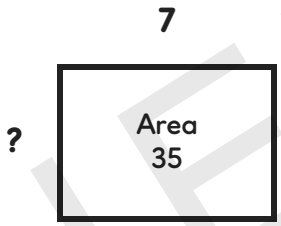
A garden is 8 yards long and 5 yards wide. A fence goes all the way around it. How many yards of fence?

27 Word Problems



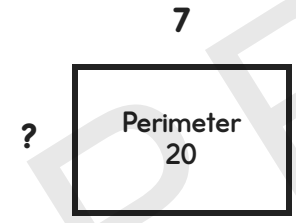
A mat is 9 feet long and 7 feet wide. How many square feet is the mat?

28 Word Problems



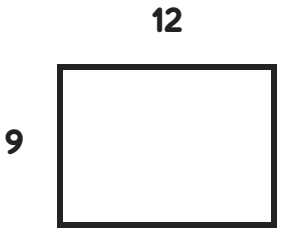
A table top has an area of 35 square feet. It is 7 feet long. How wide is it?

29 Word Problems



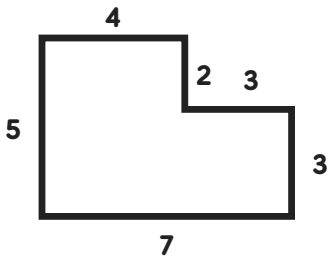
A frame has a perimeter of 20 inches. One side is 7 inches. How long is the next side?

30 Word Problems



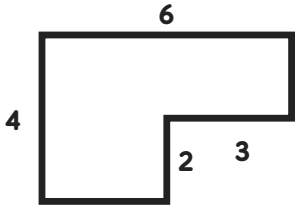
A field is 12 meters long and 9 meters wide. Jo walks once around the edge. How many meters?

31 Word Problems



An L-shaped patio. Every side is in feet. How many square feet is the patio?

32 Word Problems



An L-shaped hall. Two sides are not labeled. How many feet around the edge of the hall?

PREVIEW

Answer Key: Levels 3 and 4

Cards 17 to 32.

▲ Level 3: Find the Missing Side, cards 17 to 24

Card	Given	Missing side	Other measure	How
17	area 30, one side 6	5	perimeter 22	30 / 6 = 5; perimeter 6 + 5 + 6 + 5 = 22
18	perimeter 22, one side 7	4	area 28	22 / 2 = 11, 11 - 7 = 4; area 7 x 4 = 28
19	area 48, one side 8	6	perimeter 28	48 / 8 = 6; perimeter 8 + 6 + 8 + 6 = 28
20	perimeter 28, one side 9	5	area 45	28 / 2 = 14; 14 - 9 = 5; area 9 x 5 = 45
21	area 36, one side 9	4	perimeter 26	36 / 9 = 4; perimeter 9 + 4 + 9 + 4 = 26
22	perimeter 30, one side 8	7	area 56	30 / 2 = 15; 15 - 8 = 7; area 8 x 7 = 56
23	area 40, one side 10	4	perimeter 28	40 / 10 = 4; perimeter 10 + 4 + 10 + 4 = 28
24	perimeter 24, one side 9	3	area 27	24 / 2 = 12; 12 - 9 = 3; area 9 x 3 = 27

◆ Level 4: Word Problems, cards 25 to 32

Card	The problem	Answer	How
25	area of a 6 by 4 rectangle	24 square feet	6 x 4 = 24
26	perimeter of a 8 by 5 rectangle	26 yards	8 + 5 + 8 + 5 = 26
27	area of a 9 by 7 rectangle	63 square feet	9 x 7 = 63
28	area 35, one side 7	5 feet	35 / 7 = 5
29	perimeter 20, one side 7	3 inches	20 / 2 = 10, 10 - 7 = 3
30	perimeter of a 12 by 9 rectangle	42 meters	12 + 9 + 12 + 9 = 42
31	L-shaped patio in a 7 by 5 box	29 square feet	7 x 5 - 3 x 2 = 29
32	L-shaped hall in a 6 by 4 box	20 feet	6 + 4 + 6 + 4 = 20

Level 4, card 32: the two sides that are not labeled are the right side (4 - 2 = 2) and the bottom (6 - 3 = 3). Adding all six sides gives the same perimeter as the box around the shape.

If a Level 3 card is missed

- Area given? Ask: what times the known side makes the area?
- Perimeter given? Half of it is the length plus the width.

If a Level 4 card is missed

- Ask: is the story about the inside or the edge?
- Draw the picture again and write each length on it.

PREVIEW

Area and Perimeter Tracker

One student, every set. Filled example: page 27.

Student _____ Teacher _____ Month _____

Page	Set	Items	Right	Date	Notes
6	Cards 1 to 8	8			
7	Cards 9 to 16	8			
8	Cards 17 to 24	8			
9	Cards 25 to 32	8			
14	Check It cards 1 to 8	8			
16	Sort cards 1 to 12	12			

How to fill this in

Write how many the student got right with no prompt, and the date. A blank means not tried yet, never wrong. Use the keys (pages 22 to 24) to see which card was missed. Filled example: page 27.

This month we are working on (your own standard or wording)

Notes: what the student does well, and the next step

PREVIEW

Dev's Tracker (Invented Student)

Dev R. is invented; nothing on this page describes a real student. The blank tracker is on page 25.

Student	Teacher	Month
Dev R. (an invented student)	Ms. Rivera (invented)	October

Page	Set	Items	Right	Date	Notes
6	Cards 1 to 8	8	7	10/6	Missed 6
7	Cards 9 to 16	8	5	10/8	Missed 11, 13, 16
8	Cards 17 to 24	8	6	10/10	Missed 18, 24
9	Cards 25 to 32	8	-	-	-
14	Check It cards 1 to 8	8	-	-	-
16	Sort cards 1 to 12	12	-	-	-

How to read it

Dev R. has done **3 of 4** card sets and got **18 of 24** cards right with no prompt. 7, 5, 6 in the three sets. Every number comes from the table.

What the table points to

Level 4, Check It and Sort are not tried yet, never wrong. The lowest set is "L-Shapes on a Grid", 5 of 8, so that is where the next practice goes: do those cards aloud and trace the edge with a finger.

The 6 missed cards, from the same list

Card	Set	Problem to do again aloud
6	Rectangles on a Grid	5 by 5 rectangle
11	L-Shapes on a Grid	L-shape in a 4 by 4 box
13	L-Shapes on a Grid	L-shape in a 5 by 5 box
16	L-Shapes on a Grid	L-shape in a 4 by 3 box
18	Find the Missing Side	perimeter 22, one side 7
24	Find the Missing Side	perimeter 24, one side 9

PREVIEW