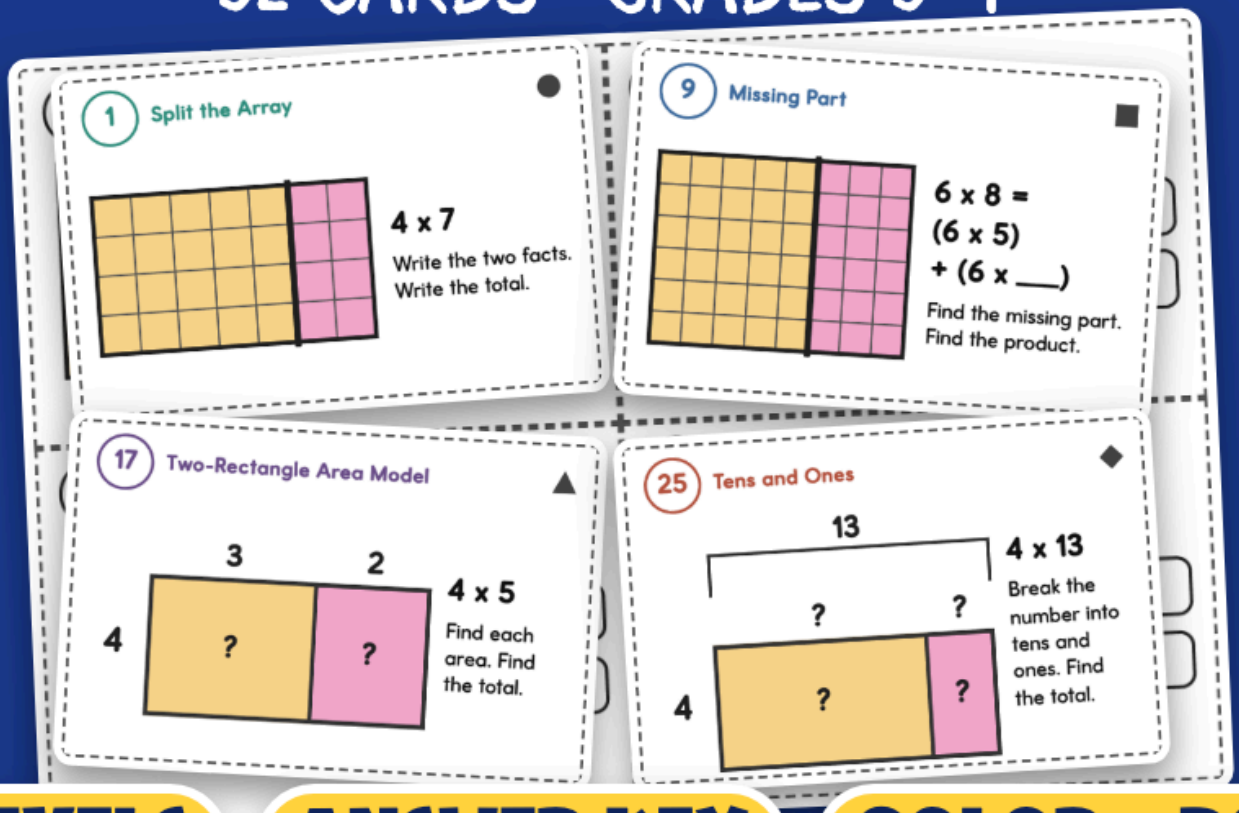
BREAK APART MULTIPLICATION TASK CARDS

32 CARDS · GRADES 3–4



4 LEVELS **ANSWER KEY** **COLOR + B&W**

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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- Extra licenses for a team or a school are available on the product page.

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.** An array or an area model drawn from the card's own numbers. Level 1 shows the split. Level 2 shows the whole array and an equation with a part missing.
- **The prompt.** One short line tells the student what to write. 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 two parts.
- The 8 Check It cards (page 14) are 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 says where the line goes before anyone writes.
- Partner check: swap sheets and check with the key.

Say it out loud

- Ask: How many rows? How many columns?
- Ask: Where would you draw the line? Why is that a friendly place to split?
- Ask: Do the two parts add back to the whole number?

When an answer is wrong

- Ask the child to show the two parts on the picture.
- Try the Check It cards (page 14): the wrong break aparts there are the ones students make.
- Have them add the two products and compare with the whole 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.

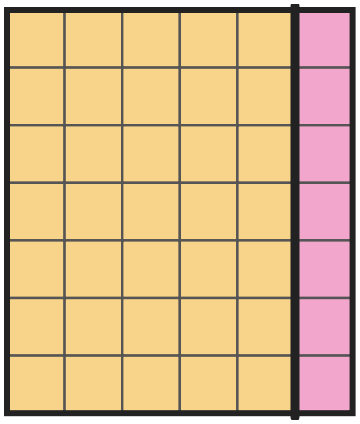
PREVIEW

Preview - Bright Path Sped

My name _____ Date _____

Break It Apart

Read the steps. Look at the example.



$7 \times 6 =$

$(7 \times 5) + (7 \times 1)$

$35 + 7 = 42$

1 Look Find the rows and the columns.

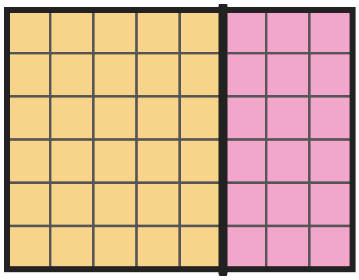
2 Split Draw a line to make two parts. A 5 or a 10 is friendly.

3 Multiply Multiply each part by the rows.

4 Add Add the two answers.

PREVIEW

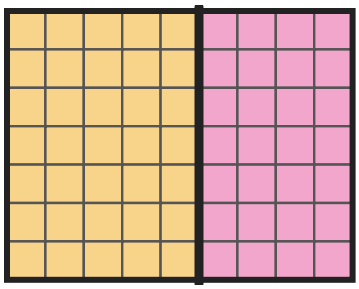
9 Missing Part



$6 \times 8 =$
(6×5)
$+ (6 \times ___)$

Find the missing part.
Find the product.

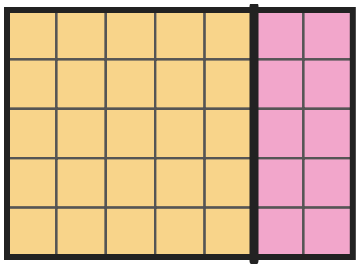
10 Missing Part



$7 \times 9 =$
(7×5)
$+ (7 \times ___)$

Find the missing part.
Find the product.

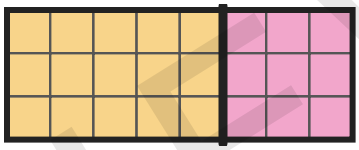
11 Missing Part



$5 \times 7 =$
$(5 \times ___)$
$+ (5 \times 2)$

Find the missing part.
Find the product.

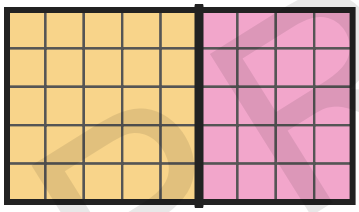
12 Missing Part



$3 \times 8 =$
$(3 \times ___)$
$+ (3 \times 3)$

Find the missing part.
Find the product.

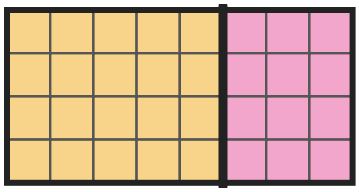
13 Missing Part



$5 \times 9 =$
$(5 \times ___)$
$+ (5 \times 4)$

Find the missing part.
Find the product.

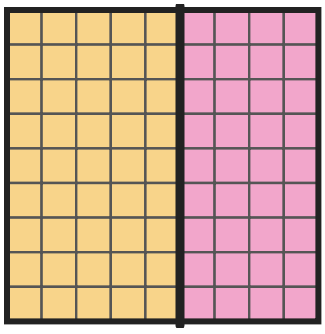
14 Missing Part



$4 \times 8 =$
(4×5)
$+ (4 \times ___)$

Find the missing part.
Find the product.

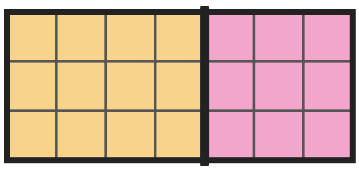
15 Missing Part



$9 \times 9 =$
(9×5)
$+ (9 \times ___)$

Find the missing part.
Find the product.

16 Missing Part

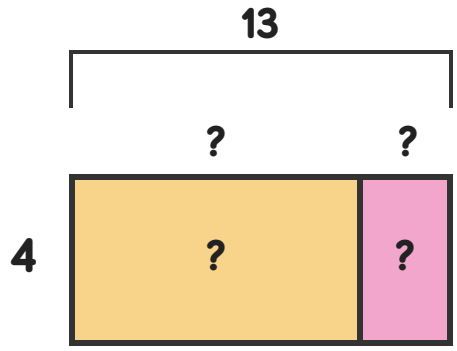


$3 \times 7 =$
(3×4)
$+ (3 \times ___)$

Find the missing part.
Find the product.

PREVIEW

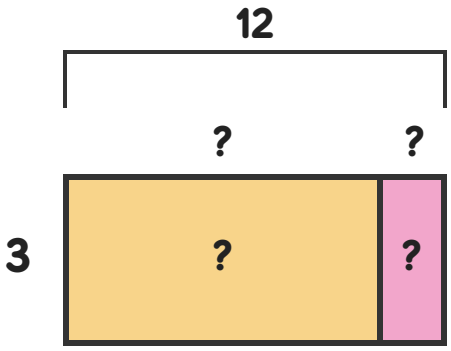
25 Tens and Ones



4 x 13

Break the number into tens and ones. Find the total.

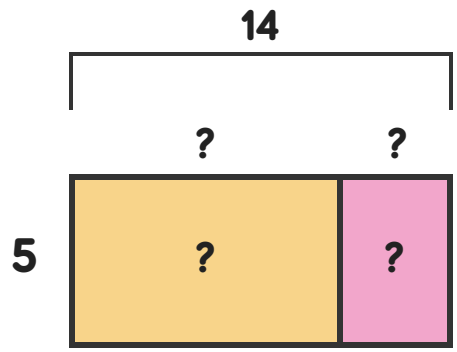
26 Tens and Ones



3 x 12

Break the number into tens and ones. Find the total.

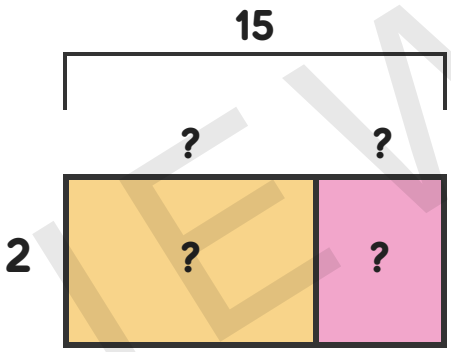
27 Tens and Ones



5 x 14

Break the number into tens and ones. Find the total.

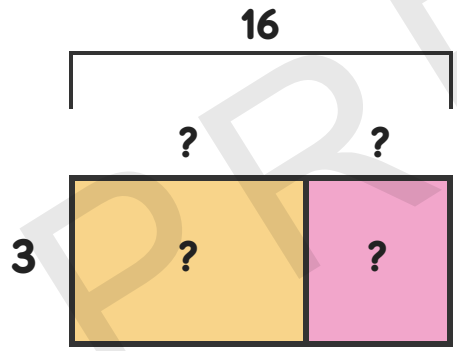
28 Tens and Ones



2 x 15

Break the number into tens and ones. Find the total.

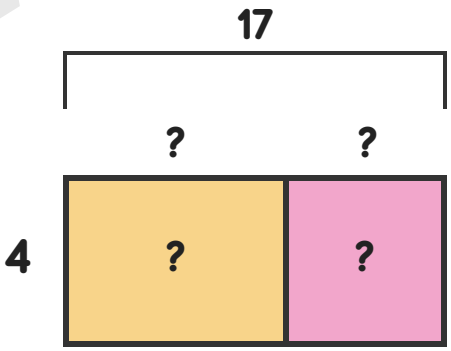
29 Tens and Ones



3 x 16

Break the number into tens and ones. Find the total.

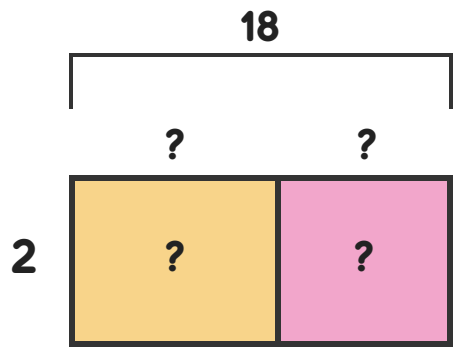
30 Tens and Ones



4 x 17

Break the number into tens and ones. Find the total.

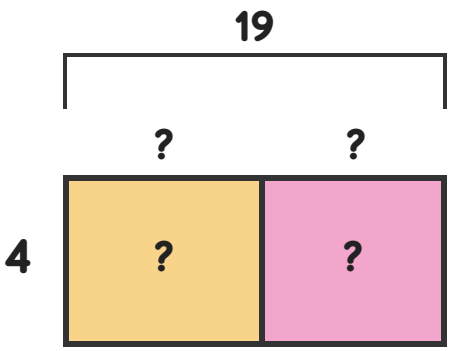
31 Tens and Ones



2 x 18

Break the number into tens and ones. Find the total.

32 Tens and Ones



4 x 19

Break the number into tens and ones. Find the total.

PREVIEW

Preview - Bright Path Shed

My name _____ Date _____

My Answers: Cards 9 to 16

Look at the card. Write the missing part and the products.

	missing part	first product	second product	total
9				
10				
11				
12				
13				
14				
15				
16				

PREVIEW

Preview - Bright Path Sped

My name _____ Date _____

My Answers: Cards 25 to 32

Look at the card. Write the tens, the ones and the total.

	tens	ones	tens product	ones product	total
25					
26					
27					
28					
29					
30					
31					
32					

PREVIEW

My name _____ Date _____

Check It

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

1. The two parts do not add up to the number.
2. The number of rows changed.
3. A part was 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 _____

Right or Not Right?

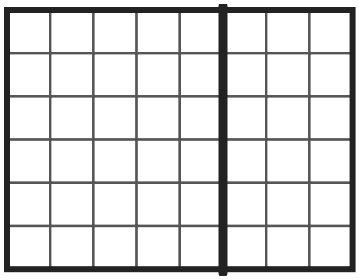
Glue each card in the right box.

Right break apart

Not right

PREVIEW

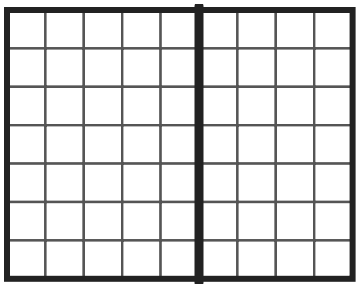
9 **Missing Part**



6 x 8 =
(6 x 5)
+ (6 x ___)

Find the missing part.
Find the product.

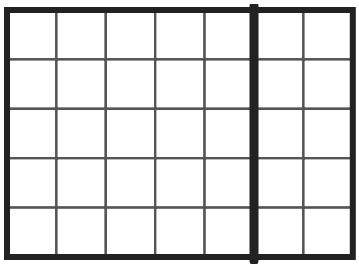
10 **Missing Part**



7 x 9 =
(7 x 5)
+ (7 x ___)

Find the missing part.
Find the product.

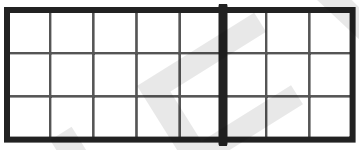
11 **Missing Part**



5 x 7 =
(5 x ___)
+ (5 x 2)

Find the missing part.
Find the product.

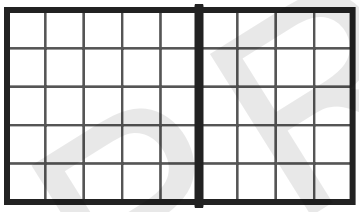
12 **Missing Part**



3 x 8 =
(3 x ___)
+ (3 x 3)

Find the missing part.
Find the product.

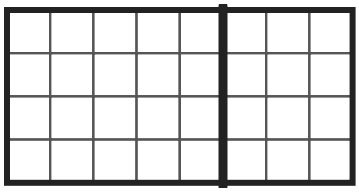
13 **Missing Part**



5 x 9 =
(5 x ___)
+ (5 x 4)

Find the missing part.
Find the product.

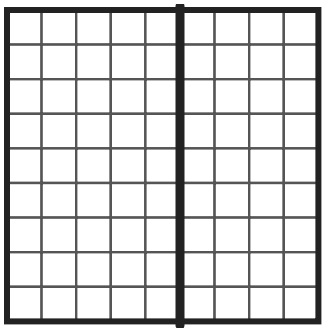
14 **Missing Part**



4 x 8 =
(4 x 5)
+ (4 x ___)

Find the missing part.
Find the product.

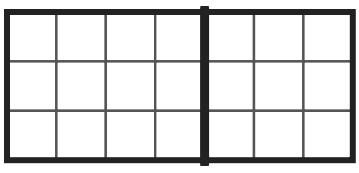
15 **Missing Part**



9 x 9 =
(9 x 5)
+ (9 x ___)

Find the missing part.
Find the product.

16 **Missing Part**

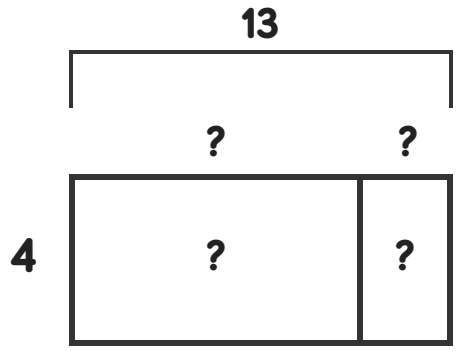


3 x 7 =
(3 x 4)
+ (3 x ___)

Find the missing part.
Find the product.

PREVIEW

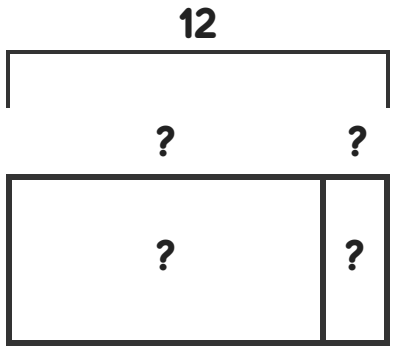
25 Tens and Ones



4 x 13

Break the number into tens and ones. Find the total.

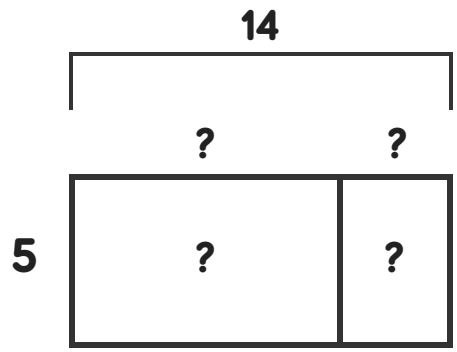
26 Tens and Ones



3 x 12

Break the number into tens and ones. Find the total.

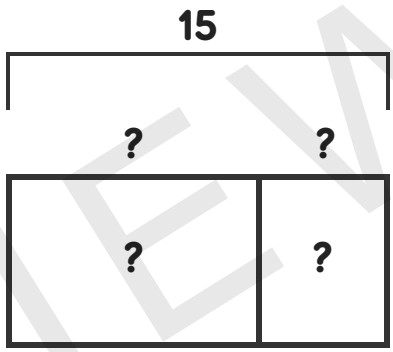
27 Tens and Ones



5 x 14

Break the number into tens and ones. Find the total.

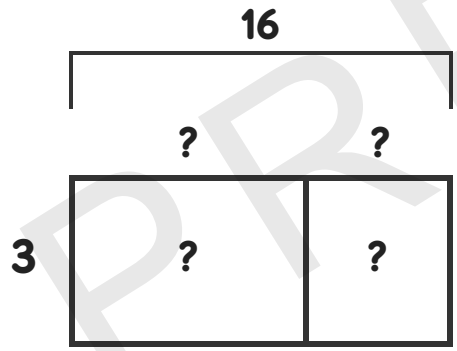
28 Tens and Ones



2 x 15

Break the number into tens and ones. Find the total.

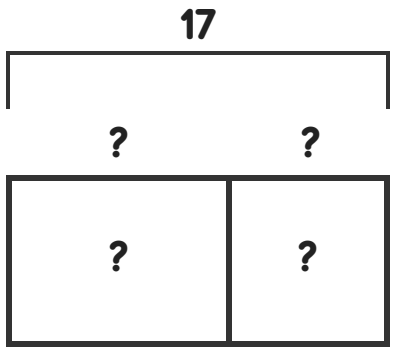
29 Tens and Ones



3 x 16

Break the number into tens and ones. Find the total.

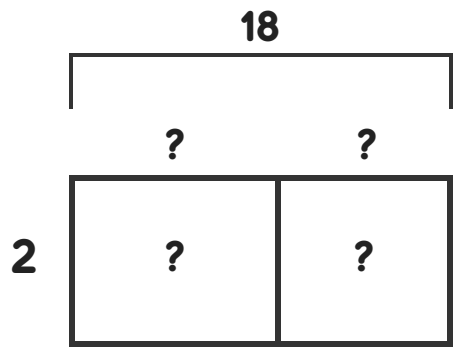
30 Tens and Ones



4 x 17

Break the number into tens and ones. Find the total.

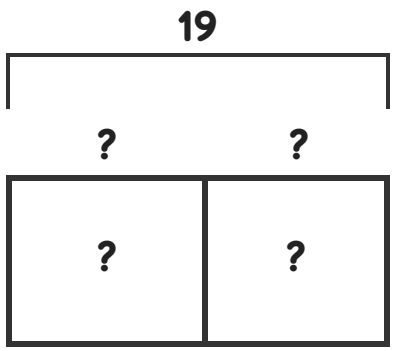
31 Tens and Ones



2 x 18

Break the number into tens and ones. Find the total.

32 Tens and Ones



4 x 19

Break the number into tens and ones. Find the total.

PREVIEW

Answer Key: Levels 3 and 4

Cards 17 to 32.

▲ Level 3: Two-Rectangle Area Model, cards 17 to 24

Card	The model	Whole fact	Area 1	Area 2	Total
17	4 rows, sides 3 and 2	4 x 5	12	8	20
18	3 rows, sides 4 and 2	3 x 6	12	6	18
19	5 rows, sides 5 and 1	5 x 6	25	5	30
20	2 rows, sides 5 and 3	2 x 8	10	6	16
21	7 rows, sides 5 and 2	7 x 7	35	14	49
22	8 rows, sides 5 and 3	8 x 8	40	24	64
23	4 rows, sides 3 and 3	4 x 6	12	12	24
24	3 rows, sides 3 and 2	3 x 5	9	6	15

◆ Level 4: Tens and Ones, cards 25 to 32

Card	Problem	Tens	Ones	Products	Total
25	4 x 13	10	3	40 + 12	52
26	3 x 12	10	2	30 + 6	36
27	5 x 14	10	4	50 + 20	70
28	2 x 15	10	5	20 + 10	30
29	3 x 16	10	6	30 + 18	48
30	4 x 17	10	7	40 + 28	68
31	2 x 18	10	8	20 + 16	36
32	4 x 19	10	9	40 + 36	76

Level 4: the tens part is the tens of the second factor and the ones part is what is left. Cards in this level multiply a 1-digit number by a 2-digit number from 12 to 19.

If a Level 3 card is missed

- Area 1 and area 2 mixed up? Point at the side that goes with each rectangle.
- Total too small? The total is both areas added, not just one.

If a Level 4 card is missed

- Tens wrong? Say the number out loud: thirteen is ten and three.
- Product of the ones missing? Multiply the ones part by the rows too.

PREVIEW

Break Apart 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 "Missing Part", 5 of 8, so that is where the next practice goes: do those cards aloud and point at the two parts.

The 6 missed cards, from the same list

Card	Set	Problem to do again aloud
6	Split the Array	8 x 7
11	Missing Part	5 x 7 = (5 x 5) + (5 x 2)
13	Missing Part	5 x 9 = (5 x 5) + (5 x 4)
16	Missing Part	3 x 7 = (3 x 4) + (3 x 3)
18	Two-Rectangle Area Model	3 x 6
24	Two-Rectangle Area Model	3 x 5

PREVIEW