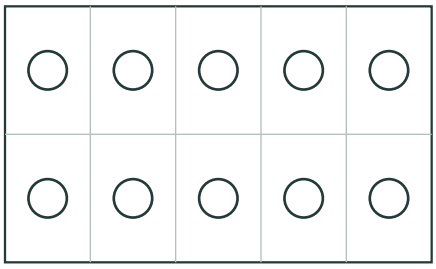
Let’s make a new ten!

Ollie’s Make a New Ten Adventure

Two-digit addition with packing boxes and loose ones.





= **1 TEN**

worth 10

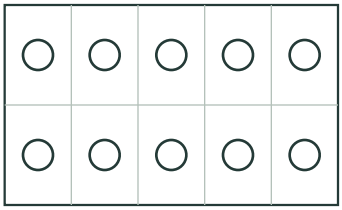
Ten ones can be packed into one ten. The amount stays the same!

Grown-up: read aloud. Bring a pencil and crayons. Try a little at a time. There is no timer.

Free printable • Activities + five-question quiz + answer key

1. Meet tens and ones

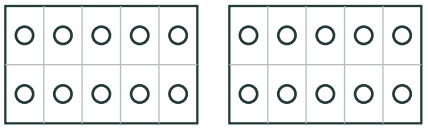
A full ten box has 10 marks. Each loose circle is 1 one.



1 ten = 10 ones



1 one = 1





Count: ____ tens and ____ ones.

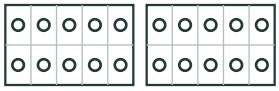
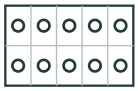
The whole number is _____.

Say it: “Each full box is worth ten.”

Grown-up: if tens and ones feel new, repeat this page with real counters before moving on. No cutting or small objects are required.

2. Add without a new ten

Warm-up: 23 + 14. Each number has its own row.

Row	TENS	ONES
23		○ ○ ○
+ 14		○ ○ ○ ○

Ones: 3 + 4 = _____

Tens: 2 + 1 = _____

Total: 23 + 14 = _____

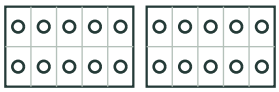
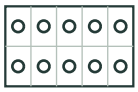
Do the ones make 10? Yes / No

Tell a grown-up how you know.

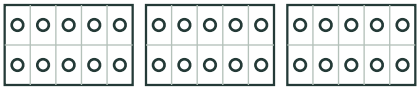
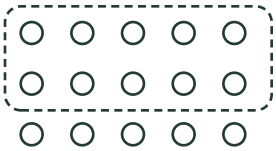
Keep the digits in their columns: tens under TENS, ones under ONES. We make a new ten only when there are at least 10 ones.

3. Watch a new ten

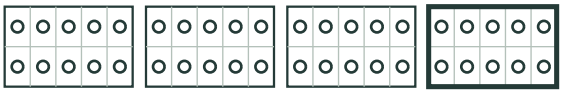
Worked example: 27 + 18. First, keep the two rows separate.

Row	TENS	ONES
27		
+ 18		

Combine: 3 tens and 15 ones.

TENS	ONES
	

Pack 10 ones → 1 new ten. Five ones stay.

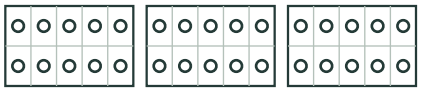
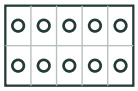
TENS	ONES
NEW 	

4 tens + 5 ones = 45

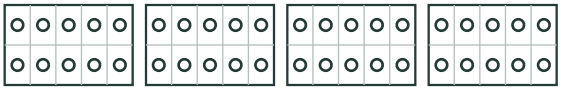
2 tens + 1 ten + 1 NEW ten = 4 tens. No ones vanished: the new box holds 10 of them.

4. Let's try it together

36 + 17. Count each row, then look at the combined ones.

Row	TENS	ONES
36		○ ○ ○ ○ ○ ○
+ 17		○ ○ ○ ○ ○ ○ ○

Circle 10 of the combined ones below.

TENS	ONES
	○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○

6 + 7 = _____ ones.

Make 1 new ten. _____ ones stay.

3 tens + 1 ten + 1 new ten = ____ tens.

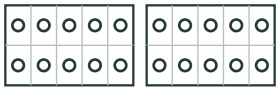
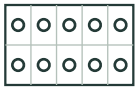
36 + 17 = _____

You may colour the circled group, but colour is not needed. Moving 10 ones into a ten box keeps the same value.

5. Count, pack, add

For each sum, add the ones and make one new ten.

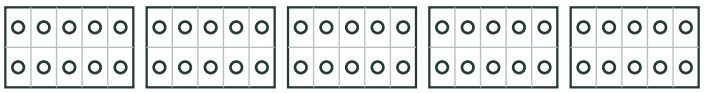
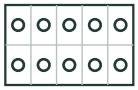
A. 28 + 15

Row	TENS	ONES
28		○ ○ ○ ○ ○ ○ ○ ○
+ 15		○ ○ ○ ○ ○

Ones: 8 + 5 = ____ Left: ____ ones

New total: ____ tens and ____ ones = ____

B. 54 + 19

Row	TENS	ONES
54		○ ○ ○ ○
+ 19		○ ○ ○ ○ ○ ○ ○ ○ ○

Ones: 4 + 9 = ____ Left: ____ ones

New total: ____ tens and ____ ones = ____

6. Keep the columns lined up

Regroup 10 ones into 1 ten. Write 1 in the "new ten" box.

A. 35 + 27

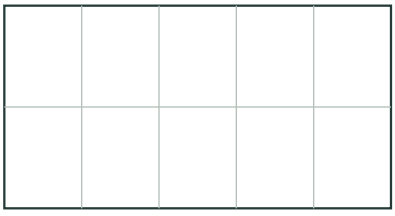
TENS new ten ☐	ONES
3	5
+ 2	7
___	___

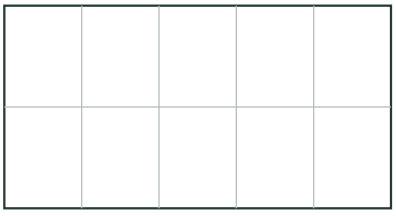
B. 41 + 29

TENS new ten ☐	ONES
4	1
+ 2	9
___	___

That small 1 means 1 TEN, worth 10 — not 1 loose one.

For each sum, fill a packing frame with 10 marks.

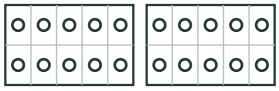
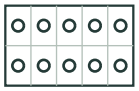




Optional stretch: B leaves no loose ones. What digit belongs in the ones answer space?

7. A pencil-packing story

Ollie has 24 pencils on one tray and 18 on another. A box holds 10 pencils. How many pencils are there altogether?

Row	TENS	ONES
24		○ ○ ○ ○
+ 18		○ ○ ○ ○ ○ ○ ○ ○

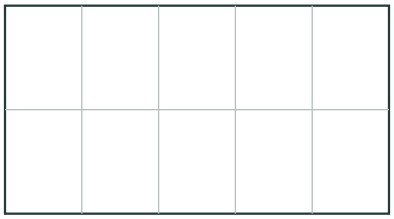
First combine the loose ones: 4 + 8 = 12.

○ ○ ○ ○ ○ ○

○ ○ ○ ○ ○ ○

Circle 10 ones.

How many stay? ____



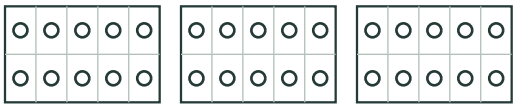
Draw those 10 ones in the packing frame. Colour this new box if you like.

There are _____ pencils altogether.

Picture quiz • take your time

Five questions on pages 9–10. You can look back at the lesson.

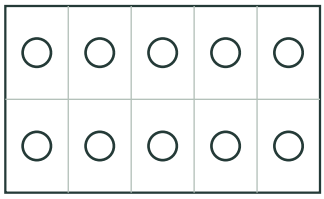
1. What number is shown?



○ ○ ○ ○

Number: _____

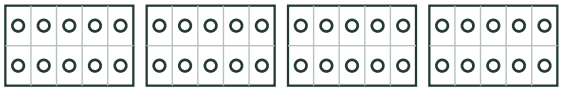
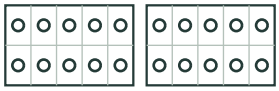
2. This full box holds 10 ones.



They make ____ ten.

That ten is worth ____ ones.

3. Make a new ten: 46 + 28

Row	TENS	ONES
46		○ ○ ○ ○ ○ ○
+ 28		○ ○ ○ ○ ○ ○ ○ ○

46 + 28 = _____

Picture quiz • keep going

4. Add in columns: 57 + 16

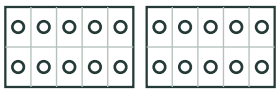
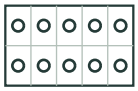
TENS new ten ☐	ONES
5	7
+ 1	6
____	____

Use the new-ten box. Add the ones first, then include the new ten with the tens.

You may draw boxes or circles on scrap paper, too.

5. A sticker-packing story

Ollie has 25 stickers on a morning tray and 18 on an afternoon tray. How many stickers are there altogether?

Row	TENS	ONES
25		○ ○ ○ ○ ○
+ 18		○ ○ ○ ○ ○ ○ ○ ○

Altogether: _____ stickers

Grown-up answer key

Accept counting, drawings or spoken reasoning. No pass mark is needed.

Page 2 • Tens and ones

2 tens and 4 ones; 24. Each full ten box contains exactly 10 circle marks.

Page 3 • No-regroup warm-up

3 + 4 = 7 ones; 2 + 1 = 3 tens; total 37. Circle No: 7 ones do not make a full ten.

Page 4 • Worked 27 + 18

7 + 8 = 15 ones. 3 tens + 15 ones → 4 tens + 5 ones = 45. Ten ones move into the new ten; the value stays 45.

Page 5 • Guided 36 + 17

Circle any 10 of the 13 combined ones. Blanks: 13; 3; 5; 53. The original 4 tens become 5 tens after the new ten is included.

Page 6 • Picture practice

A: 13 ones; 3 left; 4 tens and 3 ones = 43. B: 13 ones; 3 left; 7 tens and 3 ones = 73.

Page 7 • Column practice

A: new-ten box 1; answer 62. B: new-ten box 1; answer 70 (stretch: write 0 in ones). Each empty packing frame should receive 10 marks.

Page 8 • Pencil story

12 combined ones; circle any 10; 2 stay. Fill the frame with those 10 ones. Total: 42 pencils (4 tens and 2 ones).

Pages 9–10 • Five quiz answers

1: 34. 2: 1 ten, worth 10 ones. 3: 74 (14 ones → 1 new ten + 4 ones). 4: 73 (13 ones → 1 new ten + 3 ones). 5: 43 stickers (13 ones → 1 new ten + 3 ones).

Why the new ten matters

A ten is a group, not a magic digit

A full box represents 10 ones. In 27 + 18, the 7 ones and 8 ones make 15 ones. Regroup 10 of them as 1 ten. The original 3 tens and 15 ones are still worth 45: now they are 4 tens and 5 ones.

What school may call "carrying"

Some adults write a small 1 above the tens column. It means 1 ten, worth 10, not 1 unit. Ask: "Where did this new ten come from?" Let the child point to the 10 ones that were packed. The total has not changed.

Support before speed

Start when the learner can count small groups and explain tens and ones. Read aloud; try a few tasks at a time. If regrouping is new, repeat the worked and guided pages. Pictures deliberately keep each addend in its own labelled row before combining. All sums stay below 100; regrouping into hundreds is not taught here.

Printing

US Letter (8.5 × 11 inches). On A4, choose centred Fit to page. Crayons are optional; no answer depends on colour. Full TEN boxes contain 10 printed marks; empty packing frames are clearly identified as spaces for drawing. Physical printing has not been tested.

About this resource

Original exact-count vector pictures and layout: PlayOllie. The supplied existing Ollie mascot is reused from the lesson's documented brand assets. This workbook follows the Make a New Ten v2 lesson structure; it does not claim a curriculum or grade guarantee.

Printing permission

You may print this PDF as often as needed for your own family or one class you teach. You may not resell the PDF or post the downloadable files publicly. Share playollie.com so others can get their own free copy.