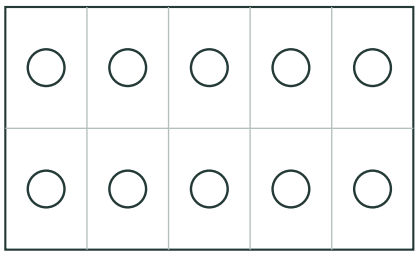
A lot to count. A lot to discover!

Ollie’s Tens & Ones Adventure



84 numbered exercises to build place-value confidence.



1 TEN



3 ONES

A full box is worth ten. A loose circle is worth one. Let’s see what their places tell us.

Free family practice • Read aloud, point, draw and write • No timer

1. Pack exactly ten

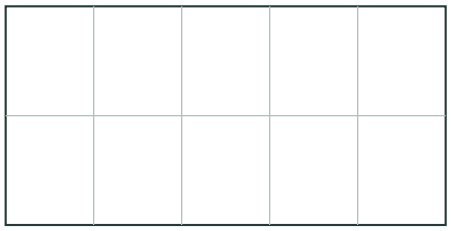
Before you start: count ones up to 10 with a grown-up.

1. Count the loose ones. How many? ____

○ ○ ○ ○ ○

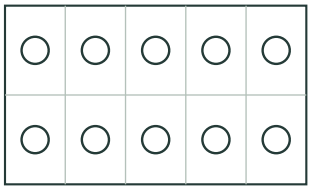
○ ○ ○ ○ ○

2. Pack the SAME 10 ones. Draw a circle in each cell.



The ten ones move into one box.
They are not extra ones.

3. Which picture is worth ONE? Circle A or B.



A



B

4. A full TEN box is worth ____ ones.

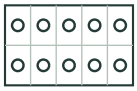
One box can hold ten marks because it has 2 rows of 5. We did not make more objects by packing them.

2. Boxes and loose ones

Example: 27 is 2 tens and 7 ones. Two tens are worth 20.

5. Count and write the number.

TENS



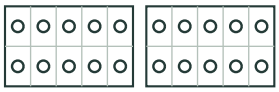
ONES

○ ○

Number: ____

6. Count and write the number.

TENS



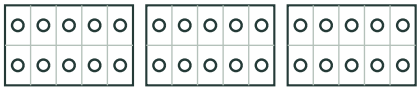
ONES

○ ○ ○ ○ ○

Number: ____

7. Count and write the number.

TENS



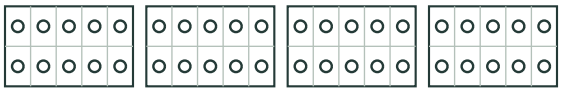
ONES

○

Number: ____

8. Count and write the number.

TENS



ONES

○ ○ ○ ○ ○

○

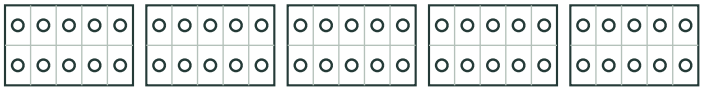
Number: ____

3. Count bigger groups

Count each full box as TEN, then count the loose ones.

9. Count and write the number.

TENS



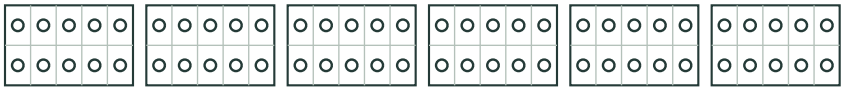
ONES



Number: ____

10. Count and write the number.

TENS



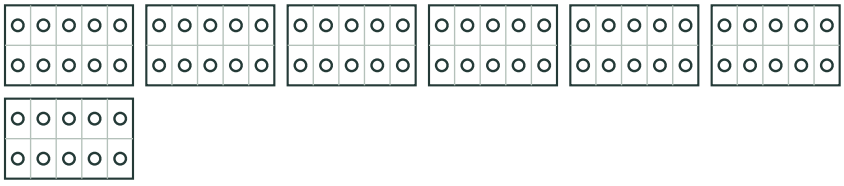
ONES



Number: ____

11. Count and write the number.

TENS



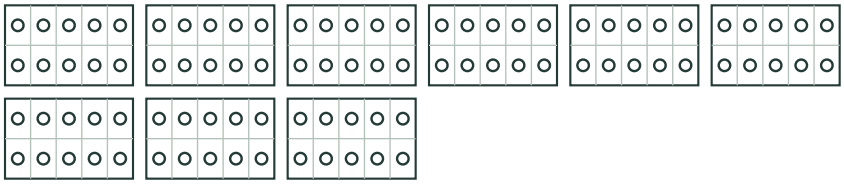
ONES



Number: ____

12. Count and write the number.

TENS



ONES



Number: ____

4. Fill the place-value chart

Write the tens digit under TENS and the ones digit under ONES.

13. 34

TENS	ONES
____	____

14. 80

TENS	ONES
____	____

15. 7

TENS	ONES
____	____

16. 96

TENS	ONES
____	____

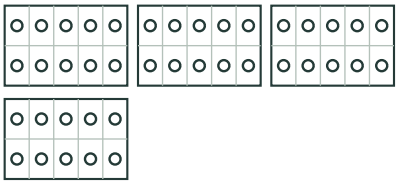
For a number with no tens, write 0 in the TENS chart box. The ordinary number is still 7, not a two-digit label.

5. Match each number

Look at the four pictures. Write the matching letter below.

A

TENS | ONES



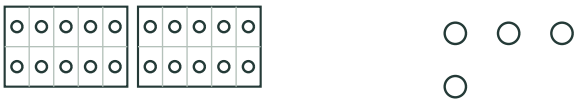
B

TENS | ONES



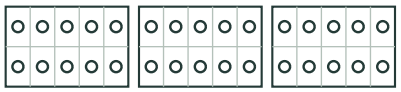
C

TENS | ONES



D

TENS | ONES



none

17. 24 → ____

18. 30 → ____

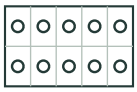
19. 16 → ____

20. 41 → ____

Each picture has a different number. Every letter is used once.

6. Learn to draw a number

Example: 14. Draw 1 full TEN box and 4 loose circles.

TENS	ONES
	○ ○ ○ ○

Each full box needs 10 small marks: 2 rows of 5.

21. Draw 12.

TENS	ONES

22. Draw 21.

TENS	ONES

23. Draw 23.

TENS	ONES

24. Draw 30.

TENS	ONES

7. Your own number pictures

Make TEN boxes with 10 marks each. Draw only the loose ones outside.

25. Draw 10.

TENS	ONES

26. Draw 4.

TENS	ONES

27. Draw 32.

TENS	ONES

28. Draw 50.

TENS	ONES

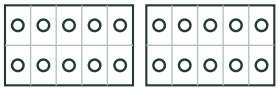
A number with 0 ones has no loose circles. A number with 0 tens has no full boxes. Your boxes can be stacked in rows.

8. What are the tens worth?

Expanded form names the tens value and the loose ones. Example: 27 = 20 + 7.

29. 24 = ____ + ____

TENS

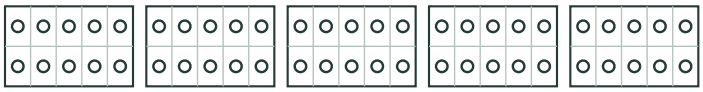


ONES



30. 57 = ____ + ____

TENS

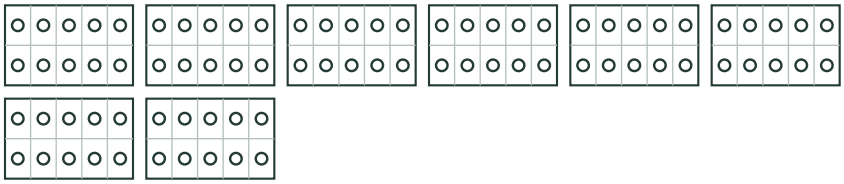


ONES



31. 81 = ____ + ____

TENS

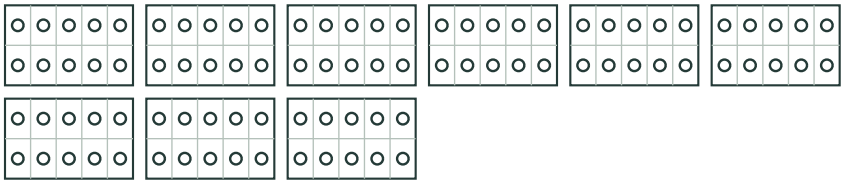


ONES



32. 90 = ____ + ____

TENS



ONES

no loose ones

9. Build the whole number

The + joins the tens value and ones. This is not a column-addition lesson.

33. 60 + 8 = _____

Tens value: 60 Loose ones: 8

34. 20 + 9 = _____

Tens value: 20 Loose ones: 9

35. 20 + 0 = _____

Tens value: 20 Loose ones: 0

36. 0 + 2 = _____

Tens value: 0 Loose ones: 2

10. A digit’s place gives its value

Look only at the underlined digit. What is it worth?

37. Find the underlined digit’s value.

27 Worth: _____

38. Find the underlined digit’s value.

7**2** Worth: _____

39. Find the underlined digit’s value.

64 Worth: _____

40. Find the underlined digit’s value.

8**5** Worth: _____

11. Find the missing digit

Use the given tens and ones. Fill the square, not the whole number.

41. 3 tens and 8 ones

□8 Missing digit: ____

42. 6 tens and 4 ones

6□ Missing digit: ____

43. 0 tens and 5 ones

□ Missing digit: ____

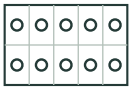
44. 8 tens and 0 ones

8□ Missing digit: ____

12. Zero holds a place

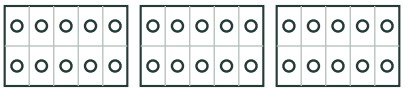
Circle A or B. Compare full boxes with the same count of loose ones.

45. Which picture shows 10?

A 

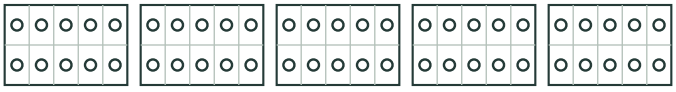
B ○

46. Which picture shows 3?

A 

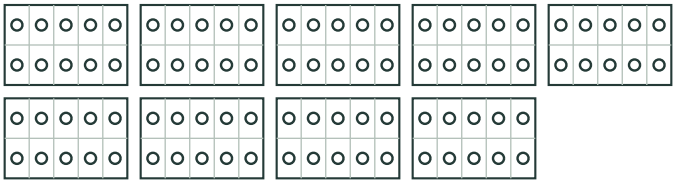
B ○ ○ ○

47. Which picture shows 50?

A 

B ○ ○ ○
○ ○

48. Which picture shows 9?

A 

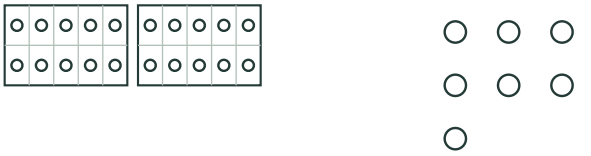
B ○ ○ ○
○ ○ ○
○ ○ ○

13. Same digits, different places

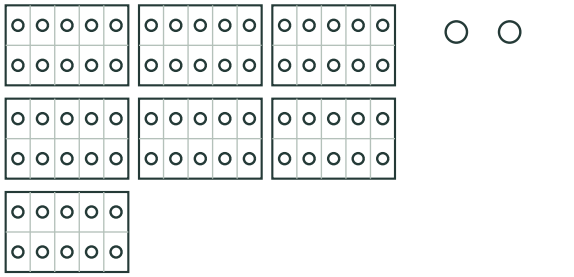
Read both pictures. Each full box is still worth ten.

49. Write each picture's number.

Left



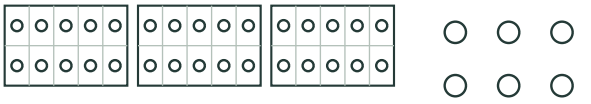
Right



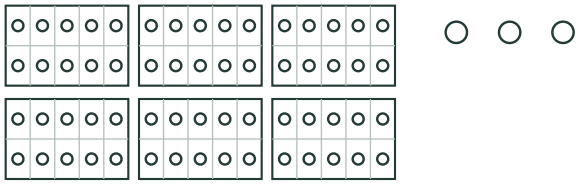
Left: ____ Right: ____

50. Write each picture's number.

Left



Right



Left: ____ Right: ____

51. In 48, what is the 4 worth? ____

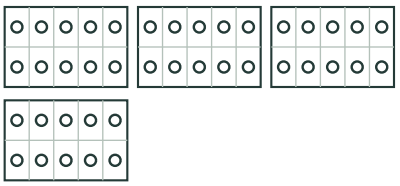
52. In 84, what is the 4 worth? ____

14. Switch the places

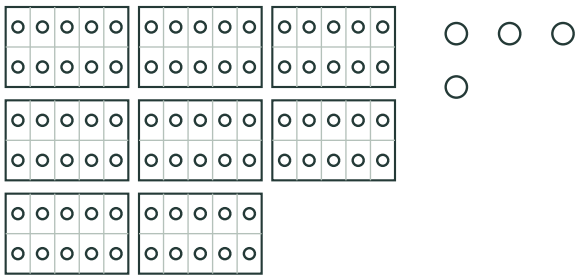
Changing places can change the value, even with the same two digits.

53. Write each picture’s number.

Left



Right



Left: ____ Right: ____

54. Are 48 and 84 the same number? Yes / No

Tell a grown-up why.

55. Optional stretch: 2 tens and 7 ones becomes 7 tens and 2 ones. What is the new number? ____

56. Switch the digits in 15: now 5 tens and 1 one. New number: ____

15. Gently fix Ollie’s ideas

Ollie is practising, too. Help him fix each mistaken idea.

57. “In 27, the 2 means 2 ones.”

The 2 means ____ tens, worth ____.

58. “30 has 3 loose ones.”

Correct number of loose ones: ____

59. “7 shows 7 tens.”

Write “7 tens” or “7 ones”: _____

60. “64 means 6 ones and 4 tens.”

Fix it: ____ tens and ____ ones.

16. Packing stories

Every full box holds 10 pencils. Write the whole number of pencils.

61. Ollie has 3 full boxes and 6 loose pencils.

Altogether: _____ pencils

62. Ollie has 5 full boxes and 0 loose pencils.

Altogether: _____ pencils

63. Ollie has no full boxes and 8 loose pencils.

Altogether: _____ pencils

64. Ollie has 7 full boxes and 2 loose pencils.

Altogether: _____ pencils

17. Number clues

Every clue is here. You do not need to guess a hidden picture.

65. I have 8 tens and 4 ones.

My number: _____

66. My tens digit is 3. My ones digit is 0.

My number: _____

67. My 5 is worth 50. My ones digit is 2.

My number: _____

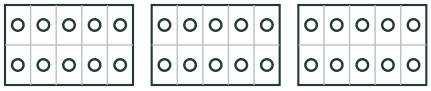
68. I have 9 ones and no tens.

My number: _____

18. Count full boxes in tens

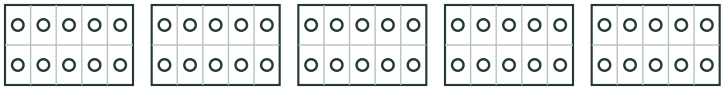
Each full box is worth 10. Fill the missing labels. There are no loose ones.

69. Count the value of the full boxes.



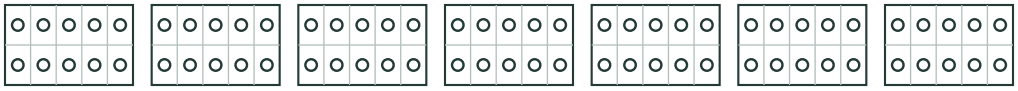
10 20 ___

70. Count the value of the full boxes.



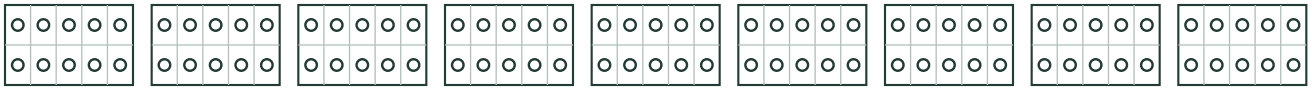
10 ___ 30 40 ___

71. Count the value of the full boxes.



10 20 30 ___ 50 60 ___

72. Count the value of the full boxes.



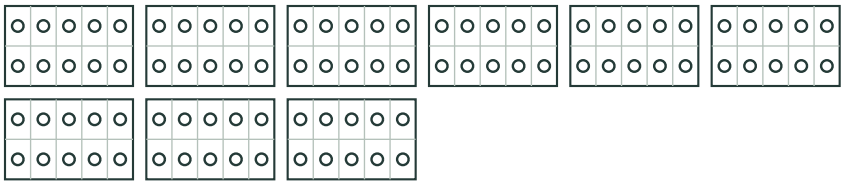
10 20 30 40 50 60 70 ___ ___

19. Put the ideas together

Different questions, the same tens and ones. Take your time.

73. Count and write the number.

TENS



ONES



Number: ____

74. TENS: 6 ONES: 0

Whole number: ____

75. 40 + 6 = _____

76. What is the underlined digit worth?

9<u>9</u>

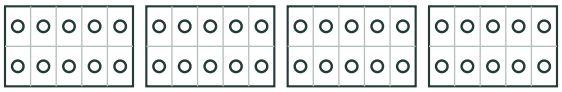
Worth: ____

Calm review • eight questions

No timer. Point, draw or write. The answers are kept on pages 23–24.

77. What number is shown?

TENS **ONES**



○ ○ ○

Number: ____

78. 58 = ____ tens and ____ ones.

79. In 27, what is the 2 worth? ____

80. In 72, what is the 2 worth? ____

81. How many loose ones in 30? ____

82. 70 + 4 = _____

83. Draw 1 full TEN box and 6 loose ones.

84. Two full boxes, no loose pencils. Each box holds 10. How many pencils altogether? ____

For the grown-up

Start with meaning

The learner should be able to count ones up to 10. Read the instructions aloud, point to each box and ask what it is worth. Ten loose ones become one full ten box; they are not counted twice. Each box always holds 10 small marks.

A digit’s place matters

27 is 2 tens and 7 ones: 20 + 7. In 72, the same digits have different jobs: 70 + 2. A digit is not always worth its face value. Ask the child to point to the group that explains the digit.

Zero is useful

30 has 3 tens and 0 loose ones. With no tens and 7 ones, the ordinary numeral is 7. A 0 in a TENS chart box describes an empty place; it does not mean we write a leading zero in the ordinary numeral.

Drawing and pacing

There are 84 primary numbered tasks, including one optional stretch and an eight-question review. Use a few at a time over several sessions. Every sub-blank belongs to its one numbered task. Count all ten marks in a drawn box; box arrangement may vary. This is place-value foundations, not formal addition or regrouping practice.

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About the pictures

Base-ten pictures and layout are original controlled vector drawings. Ollie is the supplied existing PlayOllie mascot, reused from the lesson’s documented assets. No stock photos or generated counting pictures are used. This resource does not claim a school-grade or curriculum guarantee.

Answer key • tasks 1–44

Find the page and task number. Drawings can look different and still be correct.

Page 2 1: 10. 2: one mark in each of 10 cells (1 ten). 3: B. 4: 10.

Page 3 5: 12. 6: 25. 7: 31. 8: 46.

Page 4 9: 53. 10: 68. 11: 79. 12: 99.

Page 5 13: 3 tens, 4 ones. 14: 8 tens, 0 ones. 15: 0 tens, 7 ones. 16: 9 tens, 6 ones.

Page 6 17: C. 18: D. 19: B. 20: A.

Page 7 21: 1 ten, 2 ones. 22: 2 tens, 1 one. 23: 2 tens, 3 ones. 24: 3 tens, 0 ones.

Page 8 25: 1 ten, 0 ones. 26: 0 tens, 4 ones. 27: 3 tens, 2 ones. 28: 5 tens, 0 ones.

Page 9 29: 24 = 20 + 4. 30: 57 = 50 + 7. 31: 81 = 80 + 1. 32: 90 = 90 + 0.

Page 10 33: 68. 34: 29. 35: 20. 36: 2.

Page 11 37: 20. 38: 2. 39: 60. 40: 5.

Page 12 41: 3 (38). 42: 4 (64). 43: 5. 44: 0 (80).

Drawing rule for tasks 21–28: each TEN box has 10 marks, arranged in 2 rows of 5. Loose circles match the ones count; no extra ones are hidden.

Answer key • tasks 45–84

Page 13 45: A (10). 46: B (3). 47: A (50). 48: B (9).

Page 14 49: left 27, right 72. 50: left 36, right 63. 51: 40. 52: 4.

Page 15 53: left 48, right 84. 54: No; the tens and ones are different. Accept a correct explanation in the child’s own words. 55 (optional): 72. 56: 51.

Page 16 57: 2 tens, worth 20. 58: 0 loose ones. 59: “7 ones.” 60: 6 tens, 4 ones.

Page 17 61: 36 pencils. 62: 50 pencils. 63: 8 pencils. 64: 72 pencils.

Page 18 65: 84. 66: 30. 67: 52. 68: 9.

Page 19 69: 30. 70: 20, 50. 71: 40, 70. 72: 80, 90. Read labels from left to right.

Page 20 73: 94. 74: 60. 75: 46. 76: 90.

Page 21 77: 43. 78: 5 tens, 8 ones. 79: 20. 80: 2. 81: 0. 82: 74. 83: 1 full TEN box with 10 marks, plus 6 loose circles. 84: 20 pencils.

Accept rotated or stacked boxes and circles in any arrangement if their exact groups and counts match. No speed target or pass mark is needed.