

GRADE 1

Place Value & Number Sense

Build • Read • Compare • Break Apart • Think

Tens	Ones	Number
3	7	37
4	2	42
5	9	59

Name: _____ Date: _____

A visual introduction to tens, ones, number value, comparing and thinking about numbers.

1. Tens & Ones

Every two-digit number has tens and ones. Look at each number and complete the table.

Number	Tens	Ones
24	_____	_____
31	_____	_____
46	_____	_____
58	_____	_____
70	_____	_____
95	_____	_____

Think: Which number has 7 tens and 0 ones? _____

2. Build the Number

Use tens and ones to build each number.

1. 3 tens + 4 ones = _____

2. 5 tens + 2 ones = _____

3. 7 tens + 6 ones = _____

4. 8 tens + 0 ones = _____

5. 1 ten + 9 ones = _____

6. 9 tens + 5 ones = _____

Draw it: Show 42 using tens and ones. You can draw sticks for tens and dots for ones.

--

3. What Is the Value?

The value of a digit depends on its place.

1. In 34, what is the value of 3? _____

2. In 52, what is the value of 5? _____

3. In 67, what is the value of 7? _____

4. In 80, what is the value of 8? _____

5. In 91, what is the value of 1? _____

6. In 45, what is the value of 4? _____

Challenge: In the number 73, which digit has the greater value? _____

4. Expanded Form

Break each number into tens and ones.

1. $24 = \underline{\quad\quad} + \underline{\quad\quad}$

2. $37 = \underline{\quad\quad} + \underline{\quad\quad}$

3. $45 = \underline{\quad\quad} + \underline{\quad\quad}$

4. $61 = \underline{\quad\quad} + \underline{\quad\quad}$

5. $80 = \underline{\quad\quad} + \underline{\quad\quad}$

6. $96 = \underline{\quad\quad} + \underline{\quad\quad}$

Build it back: $50 + 7 = \underline{\quad\quad}$ $30 + 2 = \underline{\quad\quad}$ $70 + 9 = \underline{\quad\quad}$

5. Compare Numbers

Use $>$, $<$ or $=$. Think about the tens first.

1. 24 ____ 42

2. 35 ____ 35

3. 61 ____ 16

4. 48 ____ 52

5. 70 ____ 69

6. 83 ____ 38

Circle the greater number: 27 or 72 45 or 54 68 or 86

Explain: Why is 72 greater than 27?

6. Order the Numbers

Put the numbers in order. Look carefully at the tens and ones.

1. Smallest to greatest: 23, 12, 31, 18 → _____

2. Smallest to greatest: 45, 29, 51, 38 → _____

3. Greatest to smallest: 16, 42, 25, 37 → _____

4. Greatest to smallest: 60, 48, 72, 35 → _____

5. Smallest to greatest: 84, 49, 94, 54 → _____

Challenge: Write four two-digit numbers and put them in order.

7. Number Patterns

Use your number sense to complete each pattern.

1. 10, 20, 30, ____, ____, 60

2. 25, 30, 35, ____, ____, 50

3. 42, 43, 44, ____, ____, 47

4. 60, 59, ____, 57, ____, 55

5. 12, 22, 32, ____, ____, 62

6. 90, 80, ____, 60, ____, 40

Think: What is the rule in the pattern 15, 20, 25, 30, ...? _____

8. Number Detective

Use the clues to find the mystery number.

1. I have 4 tens and 3 ones. Who am I? _____

2. I am greater than 50 and less than 60. I have 7 ones. Who am I? _____

3. I have 8 tens and 0 ones. Who am I? _____

4. I am 10 more than 35. Who am I? _____

5. I am 1 less than 70. Who am I? _____

6. I have 6 tens and 5 ones. Who am I? _____

Create your own: Write two clues for a mystery number between 10 and 99.

My clues:

9. Make & Break Numbers

Show different ways to make the same number.

1. $26 = 20 + \underline{\hspace{2cm}}$

2. $43 = 40 + \underline{\hspace{2cm}}$

3. $57 = \underline{\hspace{2cm}} + 7$

4. $68 = 60 + \underline{\hspace{2cm}}$

5. $75 = \underline{\hspace{2cm}} + 5$

6. $90 = 90 + \underline{\hspace{2cm}}$

Think: Which is another way to make 50? $\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 50$

Challenge: Find two different ways to make 40.

10. Super Number Sense Challenge

Show what you know!

1. What number has 5 tens and 4 ones? _____

2. Which is greater: 39 or 93? _____

3. Write the number just before 60: _____

4. Write the number just after 89: _____

5. Write a number with 7 tens and 2 ones: _____

6. Which number has the greatest value of 6? 16, 61 or 26? _____

7. Put these in order: 55, 15, 51, 25 → _____

8. Create a two-digit number. Write its tens, ones and expanded form:

■ **Confidence Check:** The part of place value I understand best is

11. Teacher Answer Key

Suggested answers are below. Accept correct representations for drawing and open-ended questions.

1. Tens & Ones

24 = 2 tens, 4 ones; 31 = 3,1; 46 = 4,6; 58 = 5,8; 70 = 7,0; 95 = 9,5. Challenge: 70.

2. Build the Number

34, 52, 76, 80, 19, 95. Drawing: any correct representation of 42.

3. What Is the Value?

30; 50; 7; 80; 1; 40. Challenge: 7 has greater value.

4. Expanded Form

20+4; 30+7; 40+5; 60+1; 80+0; 90+6. Build back: 57, 32, 79.

5. Compare Numbers

24<42; 35=35; 61>16; 48<52; 70>69; 83>38. Greater: 72, 54, 86.

6. Order the Numbers

12,18,23,31; 29,38,45,51; 42,37,25,16; 72,60,48,35; 49,54,84,94.

7. Number Patterns

40,50; 40,45; 45,46; 58,56; 42,52; 70,50. Rule: +5.

8. Number Detective

43; 57; 80; 45; 69; 65. Own clues: answers vary.

9. Make & Break Numbers

6; 3; 50; 8; 70; 0. Make 50: any two numbers that total 50. Make 40: any two correct pairs.

10. Super Challenge

54; 93; 59; 90; 72; 61; 15,25,51,55; student-created number varies.