

Understand Hundreds, Tens, and Ones

How to use: Print first for the main practice. Then use the device to repeat activities and save progress.

LEARNING OBJECTIVES

- 1 Identify the hundreds, tens, and ones digits in a three-digit number
- 2 State the value of each digit in a three-digit number
- 3 Write a three-digit number in expanded form (e.g., $453 = 400 + 50 + 3$)
- 4 Explain why zero is needed as a placeholder (e.g., in 306 or 250)

MINI LESSON

In any number, where a digit sits tells you how much it is worth — that is what we call place value!

The three places in a three-digit number

- The hundreds place is on the left. A digit there is worth that many hundreds.
- The tens place is in the middle. A digit there is worth that many tens.
- The ones place is on the right. A digit there is worth that many ones.

Reading the value of each digit

- In 453: the 4 is in the hundreds place, value = 400.
- The 5 is in the tens place, value = 50.
- The 3 is in the ones place, value = 3.
- So $453 = 400 + 50 + 3$. This is called expanded form.

Zero as a placeholder

- If a place has no value, we write a 0 to hold its spot.
- Example: 306 has 3 hundreds, 0 tens, and 6 ones.
- Without the 0, the number would look completely different!

Place Value - 453

Hundreds	Tens	Ones
4	5	3
= 400	= 50	= 3

$400 + 50 + 3 = 453$

This is called expanded form!

Zero Placeholder - 306

Hundreds	Tens	Ones
3	0	6
= 300	placeholder = 0	= 6

$300 + 0 + 6 = 306$

The 0 holds the tens place!

! Ask yourself: "Which place is this digit in? What is its value?"

TRACING PRACTICE

Trace each number or number sentence, then copy it twice on the lines below.

TRACE

100

COPY 1

COPY 2

TRACE

200

COPY 1

COPY 2

TRACE

300

COPY 1

COPY 2

TRACE

453

COPY 1

COPY 2

TRACE

306

COPY 1

COPY 2

TRACE

570

COPY 1

COPY 2

TRACE

819

COPY 1

COPY 2

TRACE

$453 = 400 + 50 +$

COPY 1

COPY 2

TRACE

$306 = 300 + 0 + 6$

COPY 1

COPY 2

TRACE

$570 = 500 + 70 +$

COPY 1

COPY 2

TRACE

$819 = 800 + 10 +$

COPY 1

COPY 2

Tip: Cover the number and try to write the expanded form from memory — then check!

EXERCISES — TAP THE CORRECT ANSWER

Read each question. Circle the correct answer.

1. In the number 374, what is the value of the digit 3?

- 3 30 300 3,000

2. In the number 582, what is the value of the digit 8?

- 8 80 800 8,000

3. In the number 619, what is the value of the digit 9?

- 9 90 900 19

4. Which expanded form matches 724?

- $7 + 2 + 4$ $70 + 20 + 4$ $700 + 20 + 4$ $700 + 2 + 4$

5. The number 405 has a zero. Which place does the zero hold?

- Hundreds Tens Ones No place

6. Which number equals $600 + 30 + 7$?

- 367 637 673 730

EXERCISES — MULTIPLE CHOICE

1. In the number 563, which digit is in the hundreds place?

- 3
- 5
- 6

2. What is the tens digit in 782?

- 7
- 2
- 8

3. What is the value of the digit 4 in the number 491?

- 400
- 40
- 4

4. Which is the correct expanded form of 347?

- $3 + 4 + 7$
- $300 + 40 + 7$
- $30 + 40 + 7$

5. What does the zero in 250 mean?

- There are zero hundreds.
- There are zero tens.
- There are zero ones.

6. What number equals $500 + 60 + 2$?

- 562
- 526
- 652

7. Why is the zero important in the number 803?

- It makes the number larger.
- It holds the tens place so the other digits stay in the right positions.
- It shows the number is even.

8. What is the value of the digit 6 in 164?

- 6
- 600
- 60

9. Which digit is in the ones place in 938?

- 8
- 3
- 9

10. The numbers 423 and 342 use the same digits. Why do they have different values?

- Because one number is longer.
- Because the same digit in a different place has a different value.
- Because one number has more zeros.

ASSESSMENT

PARENT / TEACHER CHECKLIST

- Points to the hundreds, tens, and ones digit of any three-digit number and names each place correctly.
- States the value of any digit in a three-digit number (e.g., says "the 7 in 374 is worth 70") without prompting.
- Writes the correct expanded form for any three-digit number on the paper worksheet (e.g., $453 = 400 + 50 + 3$).
- Explains why the zero in numbers like 306 or 250 is needed as a placeholder to keep other digits in the right place.