

# Class 2 Place Value Worksheet by Thinking Juggernaut

## Understanding Ones, Tens, and Hundreds

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Total Marks: 24

### What is Place Value?

Place value tells us the value of each digit in a number based on its position!

Every number has three main places:

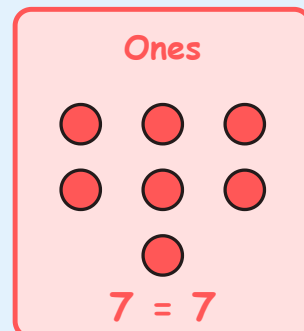
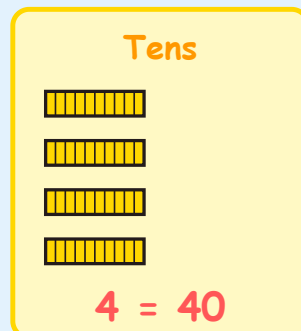
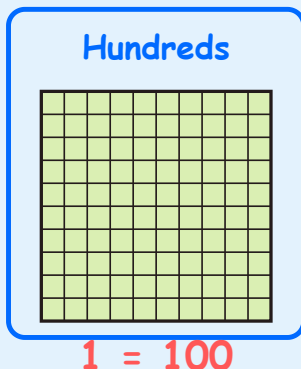
- **Ones Place** - The rightmost digit (1st position from right)
- **Tens Place** - The middle digit (2nd position from right)
- **Hundreds Place** - The leftmost digit (3rd position from right)

**Example:** In the number 235

- 2 is in the **Hundreds place** = 2 hundreds = 200
- 3 is in the **Tens place** = 3 tens = 30
- 5 is in the **Ones place** = 5 ones = 5
- Total:  $200 + 30 + 5 = 235$

### Sample Problem

**Problem:** What is the place value of each digit in 147?



### Solution:

The number is: **147**

- Digit 1 is in the **Hundreds place** → Value = 100
- Digit 4 is in the **Tens place** → Value = 40
- Digit 7 is in the **Ones place** → Value = 7

$$147 = 100 + 40 + 7 \text{ ✨}$$

## Part A: Warm-up Questions

★ Easy Level

1. What is the place value of 5 in the number 52?

Answer: \_\_\_\_\_

2. In the number 38, which digit is in the ones place?

Answer: \_\_\_\_\_

3. Write the number shown:

**Tens:**



**Ones:**



Number = \_\_\_\_\_

4. True or False: In 74, the digit 4 is in the tens place.

☐ True ☐ False

5. Fill in the blank:  $40 + 3 = \underline{\hspace{2cm}}$

6. What is the value of 6 in 63?

Answer:           

7. Write 85 in expanded form.

85 =          +         

8. In the number 29, which digit is in the tens place?

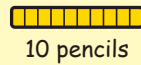
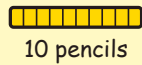
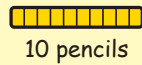
Answer:         

## Part B: Practice Questions

☆☆ Medium Level

9. Raj has 3 bundles of 10 pencils each and 5 loose pencils. How many pencils does he have in total?

3 bundles of 10 pencils each



+ 5 loose pencils



Answer: \_\_\_\_\_ pencils

10. What is the place value of 8 in 185?

Answer: \_\_\_\_\_

11. Write the number for:  $200 + 30 + 4$

Answer: \_\_\_\_\_

12. Match Column A with Column B:

Column A	Column B
a) $70 + 5$	i) 93
b) $90 + 3$	ii) 56
c) $50 + 6$	iii) 75

Write your answers: a-\_\_\_\_, b-\_\_\_\_, c-\_\_\_\_

13. True or False: In 342, the place value of 3 is 30.

- ☐ True   ☐ False

**14.** A shop has ₹100 notes in hundreds place, ₹10 notes in tens place, and ₹1 coins in ones place. If the number is 253, how much money is there?

Hundreds: ₹ \_\_\_\_\_

Tens: ₹ \_\_\_\_\_

Ones: ₹ \_\_\_\_\_

Total: ₹ \_\_\_\_\_

**15.** Fill in the missing number:  $100 + \underline{\hspace{2cm}} + 7 = 167$

Answer: \_\_\_\_\_

**16.** In which number does the digit 4 have the greatest value?

- ☐ A) 54
- ☐ B) 45
- ☐ C) 142
- ☐ D) 324

**17.** Write 92 in expanded form using place values.

92 = \_\_\_\_\_ + \_\_\_\_\_

**18.** Circle the correct place value:

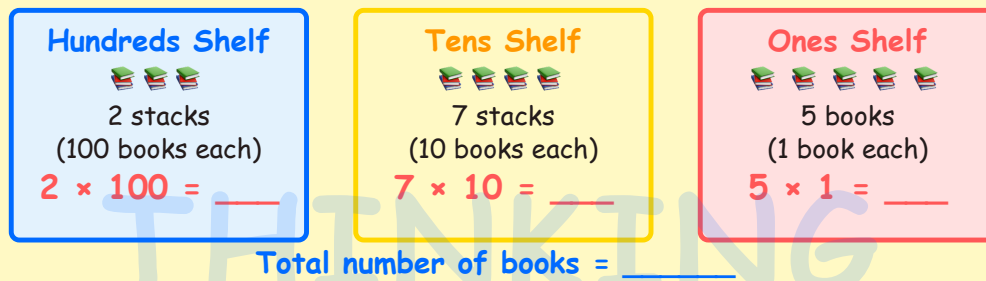
In 378, the place value of 7 is:

○ 7   ○ 70   ○ 700

## Part C: Challenge Questions

☆☆☆ Hard Level

19. A library has books arranged by place value. Look at the picture:



Show your work:

Hundreds:            books

Tens:            books

Ones:            books

Total:            books

20. Rearrange the digits 4, 7, and 2 to make:

a) The greatest 3-digit number:           

b) The smallest 3-digit number:           

21. Meera wrote a number. The digit in the tens place is 3 more than the digit in the ones place. The digit in the hundreds place is 2. If the ones digit is 4, what number did Meera write?

Hundreds place: \_\_\_\_\_

Tens place: \_\_\_\_\_

Ones place: \_\_\_\_\_

Number: \_\_\_\_\_

**22.** A number has:

- 5 in the hundreds place
- 0 in the tens place
- 8 in the ones place

The number is: \_\_\_\_\_

Write it in expanded form: \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_

**23.** True or False: The place value of 0 in any number is always 0.

- ☐ True   ☐ False

Explain your answer: \_\_\_\_\_

**24.** A shopkeeper has:

- 3 boxes with 100 marbles each
- 4 bags with 10 marbles each
- 6 loose marbles

Write the number using place values:

Hundreds: \_\_\_\_\_

Tens: \_\_\_\_\_

Ones: \_\_\_\_\_

Total marbles: \_\_\_\_\_

Expanded form: \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_



## Answer Key

### Part A: Warm-up Questions

1. 50 (5 is in the tens place)
2. 8 (The digit in the ones place is 8)
3. 26 (2 tens + 6 ones =  $20 + 6 = 26$ )
4. False (The digit 4 is in the ones place, not tens place)
5. 43
6. 60 (6 is in the tens place)
7.  $85 = 80 + 5$
8. 2 (The digit in the tens place is 2)

### Part B: Practice Questions

9. 35 pencils ( $3 \times 10 + 5 = 30 + 5 = 35$ )
10. 80 (8 is in the tens place)
11. 234
12. a-iii (75), b-i (93), c-ii (56)
13. False (The place value of 3 is 300, not 30)
14. Hundreds: ₹200, Tens: ₹50, Ones: ₹3, Total: ₹253
15. 60 ( $100 + 60 + 7 = 167$ )
16. B) 45 (4 is in the tens place = 40, which is the greatest value)



17.  $92 = 90 + 2$

18. 70 (7 is in the tens place)

### Part C: Challenge Questions

19. Hundreds: 200 books ( $2 \times 100$ ), Tens: 70 books ( $7 \times 10$ ), Ones: 5 books ( $5 \times 1$ ), Total: 275 books

20. a) Greatest: 742, b) Smallest: 247

21. Hundreds: 2, Tens: 7 ( $4 + 3 = 7$ ), Ones: 4, Number: 274

22. Number: 508, Expanded form:  $500 + 0 + 8$




23. True (0 represents nothing, so its value is always 0 regardless of position)

24. Hundreds: 300 ( $3 \times 100$ ), Tens: 40 ( $4 \times 10$ ), Ones: 6, Total: 346 marbles, Expanded form:  $300 + 40 + 6$



### Scoring Guide

Total Questions: 24 | Total Marks: 24

Score Range	Performance Level	What to Do Next
20-24	 Excellent!	Outstanding! You understand place value very well. Practice with larger numbers (4-digit numbers) and help others learn. Try creating your own place value puzzles!
15-19	 Very Good!	Great work! Review questions you missed, especially expanded form problems. Practice writing numbers in different forms (standard, expanded, word form) for 10 minutes daily.
10-14	 Good Effort!	Good start! Focus on understanding the difference between place and place value. Use place value blocks or draw pictures. Practice identifying the place of each digit in 2-digit and 3-digit numbers daily.



0-9	Keep Trying!	Don't worry! Start with 2-digit numbers first. Use objects (like sticks and stones) to understand tens and ones. Practice counting by 10s. Ask your teacher or parents to explain with examples. Work through 5 simple place value problems each day.
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### Tips for Mastering Place Value:

- **Remember the position:** Ones is always on the right, then tens, then hundreds (moving left)
- **Use the place value chart:** Draw a chart with H | T | O columns to organize digits
- **Understand the value:** The same digit has different values in different places (e.g., 2 in  $25 = 20$ , but 2 in  $52 = 2$ )
- **Practice expanded form:** Break numbers into hundreds + tens + ones (e.g.,  $365 = 300 + 60 + 5$ )
- **Use real-life examples:** Think of money - ₹100 notes, ₹10 notes, ₹1 coins
- **Count by place values:** Practice counting by 1s, 10s, and 100s
- **Play place value games:** Use number cards and arrange them to make the largest/smallest numbers
- **Check your work:** Add up the expanded form to verify you get the original number

✨ Great Job Completing This Worksheet! ✨

Keep practicing place value and you'll become a math champion!

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