

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:

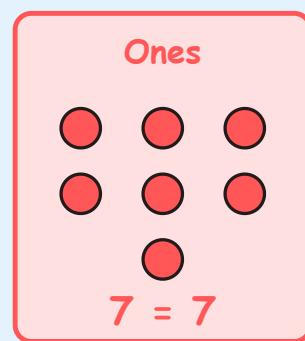
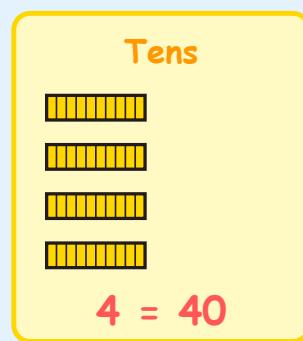
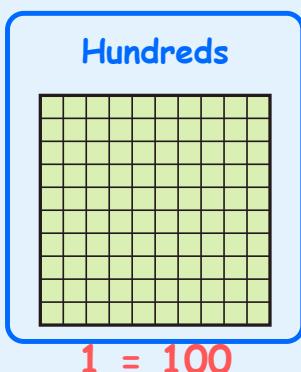
- **Ones Place** - The rightmost digit (1st position from right)
- **Tens Place** - The middle digit (2nd position from right)
- **Hundreds Place** - The leftmost digit (3rd position from right)

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

$$147 = 100 + 40 + 7 \star$$

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:



Ones:



Number = _____

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

- True
- False

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

Answer: _____

7. Write 85 in expanded form.

$85 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$

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

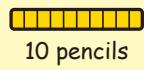
Answer: _____

Part B: Practice Questions

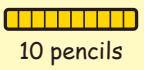
★★ Medium Level

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

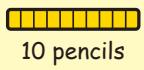
3 bundles of 10 pencils each



10 pencils



10 pencils



10 pencils

+ 5 loose pencils



Answer: _____ pencils

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

Answer: _____

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

Answer: _____

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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.

$92 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$

18. Circle the correct place value:

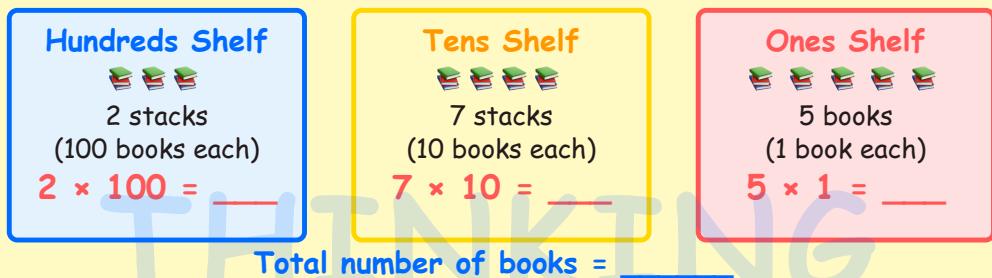
In 378, the place value of 7 is:

- 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 (2×100), Tens: 70 books (7×10), Ones: 5 books (5×1), 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 (3×100), Tens: 40 (4×10), 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.



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

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Great Job Completing This Worksheet! ✨

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

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