

Y4 Place Value

KS2 Y4 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Write 3,247 in expanded form.

Step 1 · Thousands digit

3 thousands = 3,000

Step 2 · Hundreds digit

2 hundreds = 200

Step 3 · Tens and ones digits

4 tens = 40 and 7 ones = 7

Step 4 · Write addition

3,000 + 200 + 40 + 7

Answer: $3,247 = 3,000 + 200 + 40 + 7$

Check: Add back: $3,000 + 200 = 3,200$, $+ 40 = 3,240$, $+ 7 = 3,247$ ✓

2. Now try one with the steps

What is the value of the 8 in 5,832?

Step 1 · Put the digits in columns

Step 2 · 8 is in the hundreds column

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. What is the value of the digit 9 in 2,917?

2. What is the value of the digit 4 in 4,036?

3. What is the value of the digit 5 in 3,152?

4. Write 6,043 in expanded form.

5. $7,000 + 500 + 20 + 9 = ?$

6. $8,000 + 6 = ?$

7. Write five thousand, three hundred and eight in numerals.

8. I have 2 thousands, 9 hundreds, 0 tens and 4 ones. What number am I?

9. Fill the gap: $4,671 = 4,000 + \underline{\quad} + 70 + 1$

10. How many hundreds are there altogether in 3,400?

11. Fill the gap: $5,260 = 4,000 + \underline{\quad} + 60$

12. What is the largest 4-digit number you can make with the digits 3, 0, 8 and 5?

13. What is the smallest 4-digit number you can make with the digits 3, 0, 8 and 5?

14. A number has 7 thousands. Its tens digit is 0 and its ones digit is 4. Its hundreds digit is 2 more than its ones digit. What is the number?

4. Before you hand it in

Writing 5,040 in expanded form as 5,000 + 4.

The 4 is in the tens column, so it is worth 40: $5,040 = 5,000 + 40$.

Writing four thousand and twenty as 420 or 400020.

Use a Th H T O chart: 4 thousands, 0 hundreds, 2 tens, 0 ones = 4,020.

Saying the 3 in 3,512 is worth 3.

Find the column first. 3 is in the thousands, so it is worth 3,000.

Thinking 2,435 can only be split as 2,000 + 400 + 30 + 5.

Numbers can be partitioned in many ways, e.g. $2,000 + 300 + 135$. Check it adds back to the number.