

Grade 2 · Place Value to 1,000 · Worksheet Answer Key

Common Core 2.NBT.A.1, 2.NBT.A.3 · mathovore.fr

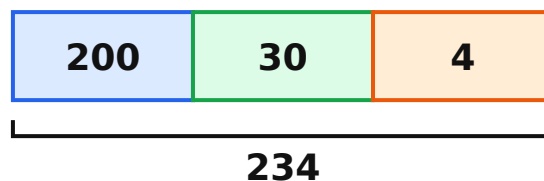
Here is the full answer key for the place value worksheet. Every problem shows the steps, so students can find where a mistake happened. The final answers are in bold. Pictures from the worksheet are repeated when they help explain the work.

Grade 2 Common Core: 2.NBT.A.1 · 2.NBT.A.3

Problem 1: Count the blocks

Count each kind of block: 2 flats, 3 rods, and 4 cubes.

$$2 \text{ hundreds} + 3 \text{ tens} + 4 \text{ ones} = 200 + 30 + 4 = 234.$$



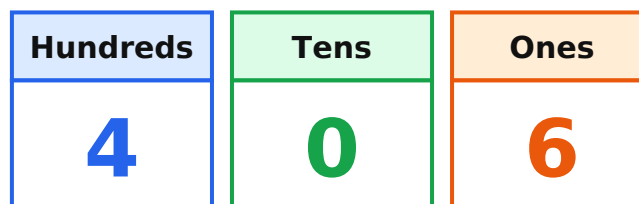
The three parts make 234.

Answer: **2 hundreds, 3 tens, 4 ones; the number is 234.**

Problem 2: A number with a zero

There are 4 flats, no rods, and 6 cubes. The tens place holds a zero.

$$400 + 0 + 6 = 406.$$



The zero holds the tens place.

Answer: **406.**

Problem 3: Flats and rods only

There is 1 flat, 5 rods, and no cubes.

$$100+50+0 = 150.$$

Answer: **150**.

Problem 4: Name the places

Read 847 from left to right: hundreds, tens, ones.

- a. The hundreds digit is **8**.
- b. The tens digit is **4**.
- c. The ones digit is **7**.

Problem 5: Value of a digit

5 is in the hundreds place, 8 is in the tens place, and 2 is in the ones place.

- a. The 5 is worth **500**.
- b. The 8 is worth **80**.
- c. The 2 is worth **2**.

Problem 6: Same digit, new value

Look at the place of the 5.

- a. In 523, the 5 is in the hundreds place: **500**.
- b. In 352, the 5 is in the tens place: **50**.
- c. In 235, the 5 is in the ones place: **5**.

Problem 7: Hundreds and tens

One hundred is made of ten tens.

- a. 1 hundred = **10** tens.
- b. 5 hundreds is 5 flats of 100, so the number is **500**.
- c. 700 is 7 flats of 100, so it is **7** hundreds.

Problem 8: Trade the tens

Every 10 tens can be traded for 1 hundred.

- a. 10 tens = **1** hundred.

- b. 30 tens is 3 groups of 10 tens, so it is **3** hundreds.
- c. 5 hundreds is 5 groups of 10 tens, so it is **50** tens.

Problem 9: Expanded to standard

Add the values of the places.

- a. $600+50+9 = \mathbf{659}$
- b. $300+7 = \mathbf{307}$. There are no tens, so the tens digit is 0.
- c. $800+40 = \mathbf{840}$. There are no ones, so the ones digit is 0.

Problem 10: Standard to expanded

Write the value of each digit that is not zero.

- a. $324 = 300+20+4$
- b. $760 = 700+60$
- c. $905 = 900+5$

Problem 11: Write the number name

Say the hundreds first. Use a hyphen for the tens and ones when both are used.

- a. $275 = \mathbf{\text{two hundred seventy-five}}$
- b. $190 = \mathbf{\text{one hundred ninety}}$
- c. $612 = \mathbf{\text{six hundred twelve}}$

Problem 12: Words to digits

Listen for the hundreds, then the tens, then the ones.

- a. four hundred eight = **408**
- b. nine hundred fifty = **950**
- c. three hundred sixteen = **316**

Problem 13: Zero as a placeholder

The tens place has a zero, so the number is 703.

Expanded form: $700+3$. We skip the 0 tens.

Answer: **703**

Problem 14: Read the chart

The chart shows 9 hundreds, 0 tens, and 5 ones.

Standard form: **905**.

Word form: **nine hundred five**.

Problem 15: Mixed-up order

Put each group in its place. Hundreds: 3. Tens: 9. Ones: 4.

$$300+90+4 = \mathbf{394}.$$

Problem 16: Many tens

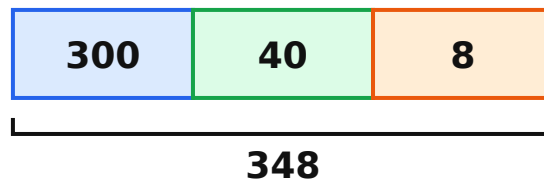
10 tens = 1 hundred, so 14 tens = 1 hundred + 4 tens.

The number is $100+40+3 = \mathbf{143}$.

Problem 17: Sticker book

3 sheets = 300 stickers. 4 strips = 40 stickers. 8 singles = 8 stickers.

$$300+40+8 = 348.$$



The parts add to 348.

Answer: **Maya has 348 stickers.**

Problem 18: Pencil boxes

36 boxes of 10 pencils is 36 tens. Ten tens make a hundred, so 30 tens = 3 hundreds. That leaves 6 tens.

$$300+60 = 360.$$

Answer: **360 pencils, which is 3 hundreds and 6 tens.**

Problem 19: Library sign

five hundred seven means 5 hundreds, 0 tens, and 7 ones. Standard form: **507**.

Expanded form: $500+7$.

Problem 20: Find the mistake

The 0 in 7,041 pushes the 7 into the thousands place, so 7,041 is seven thousand forty-one. Diego wrote the 7 hundreds and then added a zero for no reason.

The number has 7 hundreds, 4 tens, and 1 one: $700+40+1$.

Answer: **The correct number is 741.**

Problem 21: Number riddle

Hundreds digit: 4. Tens digit: $4 + 2 = 6$. Ones digit: half of 6 is 3.

Standard form: **463**.

Word form: **four hundred sixty-three**.

Problem 22: Swap the cards

The 9 is in the tens place in 296.

- The 9 is worth **90**.
- After the swap, the tens card is 6 and the ones card is 9. The new number is **269**.
- Expanded form: $200+60+9$.