# Year 3 maths: Place value to 100 000 (Hard)

Maths · Number
Level: Hard

Student: _____ Date: _____

**Instructions**
- There are 10 questions. Read each one carefully.
- Write your answers on this paper. Use the space under a question to work it out.
- A grown-up can read a question aloud — that's fine.
- The answers are at the end. Check them together when you have finished.

## Questions

**1.** How many whole ten thousands are in 478 316?

Answer: ☐ ten thousands

Working:

**2.** In the number 507 316, what does the digit 7 stand for?

Circle one answer.

○ **A** 7000 ○ **B** 70 000 ○ **C** 700 ○ **D** 7

**3.** Which numeral is two hundred and fifty thousand and sixty?

Circle one answer.

○ **A** 250 060 ○ **B** 205 060 ○ **C** 25 060 ○ **D** 25 006

**4.** Which number is 10 000 more than 95 400?

Circle one answer.

○ **A** 85 400 ○ **B** 105 400 ○ **C** 96 400 ○ **D** 5400

**5.** What is 1000 less than 300 000?

Answer: ☐

Working:

**6.** Use the digits 6, 0, 3, 9 and 5 once each. What is the smallest 5-digit number you can make?

Answer: ☐

Working:

**7.** What number comes immediately after 399 999?

Answer: ☐

Working:

**8.** What is 10 less than 305 005?

Answer: ☐

Working:

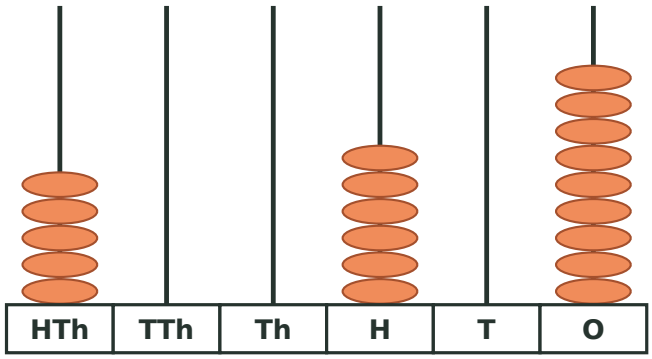
**9.** In 505 054, what is the value of the second 5 from the left?

Circle one answer.

○ **A** 5 ○ **B** 500 ○ **C** 5000 ○ **D** 50

**10.** Which number is on the abacus?

Circle one answer.




○ **A** 5609 ○ **B** 50 069 ○ **C** 506 009 ○ **D** 500 609

# Answer key

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**1.** 47 ten thousands

478 316 has 47 whole ten thousands, because 470 000 is 47 lots of 10 000.

**2.** A — 7000

The 7 is in the thousands place, so it is worth 7000.

**3.** A — 250 060

Two hundred and fifty thousand and sixty is 250 060. The place with nothing in it is written as 0.

**4.** B — 105 400

95 400 + 10 000 = 105 400. The digit passes 9 or 0, so trade with the next place.

**5.** 299 000

300 000 - 1000 = 299 000. The digit passes 9 or 0, so trade with the next place.

**6.** 30 569

A number cannot start with 0, so put the smallest digit that is not 0 first: 3, then 0, 5, 6, 9.

**7.** 400 000

Add 1 to 399 999. Every 9 trades up in turn, so the answer is 400 000.

**8.** 304 995

The tens place is 0, so trade one hundred for ten tens: 305 005 − 10 = 304 995. The hundreds place was 0, so the trade comes from the thousands.

**9.** C — 5000

505 054 has 5 hundred thousands, 0 ten thousands, 5 thousands, 0 hundreds, 5 tens and 4 ones. The second 5 is in the thousands place: 5000.

**10.** D — 500 609

Read the spikes from the left: 500 609. Empty spikes are zeros.