Place value

Name: _____ Date: _____

Remember: Each place is **10 times bigger** than the place to its right. That is why the same digit can be worth 7 or 70 000: it depends on **where** it stands.

1. What is the value of the digit 7 in 4 572 836?

Answer: _____

2. Write in digits: 5 000 000 + 300 000 + 2 000 + 60 + 7

Answer: _____

3. Write 6 048 305 in expanded notation.

Answer: _____

4. What is the place value of the 2 in 9 213 465?

Answer: _____

5. Which number does each arrow show on the number line?



Answer: _____

6. Round 7 386 529 off to the nearest 1 000.

Answer: _____

7. Round 7 386 529 off to the nearest 100 000.

Answer: _____

8. Order from smallest to biggest: 3 095 400 · 3 509 400 · 3 095 040 · 3 590 004

Answer: _____

9. Write <, > or =: 8 406 070 ☐ 8 460 070

Answer: _____

10. Which number is 10 000 more than 2 995 600?

Answer: _____

11. How many thousands are there in 3 600 000?

Answer: _____

12. A town has 1 847 563 people. Round the number off to the nearest 10 000.

Answer: _____

13. Use each digit once: 9, 0, 4, 7, 1, 3, 5. Write the biggest even number you can make.

Answer: _____

14. I am a 6-digit number. My hundred thousands digit is 4, ten thousands 0, thousands 7. My hundreds digit is 2 less than my thousands digit, tens 0 and units 9. Which number am I?

Answer: _____

15. What is the smallest 6-digit number? How much more is it than the biggest 5-digit number?

Answer: _____

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I got _____ **out of 15** ⭐⭐⭐

Memorandum · Place value

1. **70 000**
   7 is in the ten thousands place: 7 × 10 000

2. **5 302 067**
   add the place values together

3. **6 000 000 + 40 000 + 8 000 + 300 + 5**
   each digit × its place value; the zeros drop out

4. **hundred thousands (200 000)**
   9 213 465: millions 9, hundred thousands 2

5. **A = 4 300 000; B = 4 750 000**
   each mark is 100 000; B is halfway between 4 700 000 and 4 800 000

6. **7 387 000**
   look at the hundreds digit: 5, so round up

7. **7 400 000**
   look at the ten thousands digit: 8, so round up

8. **3 095 040; 3 095 400; 3 509 400; 3 590 004**
   compare place by place from the left: 3 095 040 < 3 095 400 (hundreds: 0 < 4); 3 509 400 < 3 590 004 (ten thousands: 0 < 9)

9. **<**
   ten thousands: 0 is less than 6

10. **3 005 600**
    2 995 600 + 10 000 = 3 005 600

11. **3 600**
    3 600 000 ÷ 1 000 = 3 600

12. **1 850 000**
    look at the thousands digit: 7, so round up

13. **9 754 310**
    put the digits from big to small; it ends in 0, so it is even

14. **407 509**
    hundreds = 7 − 2 = 5

15. **100 000; 1 more**
    100 000 − 99 999 = 1

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