

Year 5: Comparing and ordering numbers to 1,000,000: answers

Year 5 - Place Value to 1,000,000 - Lesson 1.2

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks2-sats/maths/year-5/ch01-place-value/comparing-and-ordering-numbers-to-1-000-000/

Exercise 1B Comparing and ordering Non-calculator

1 Write $<$, $>$ or $=$ in each box.

(a) 356,742 [?] 356,724

Answer: 356,742 $>$ 356,724

(b) 89,999 [?] 100,001

Answer: 89,999 $<$ 100,001

(c) 400,000 + 5,000 [?] 450,000

Answer: 405,000 $<$ 450,000

(d) 620,300 [?] 62,030

Answer: 620,300 $>$ 62,030

(e) seven hundred thousand [?] 700,000

Answer: 700,000 $=$ 700,000

(f) 999,999 [?] 1,000,000

Answer: 999,999 $<$ 1,000,000

2 Write each set of numbers in order, **smallest first**.

(a) 534,210, 534,120, 543,210, 53,421

Answer: 53,421, 534,120, 534,210, 543,210

(b) 706,040, 760,040, 706,400, 76,040

Answer: 76,040, 706,040, 706,400, 760,040

(c) 999,001, 990,901, 909,901, 999,010

Answer: 909,901, 990,901, 999,001, 999,010

3 Write each set of numbers in order, **biggest first**.

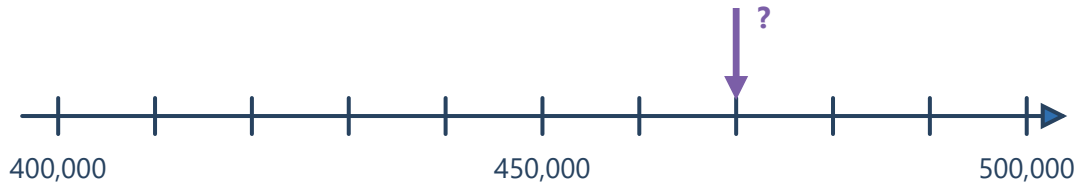
(a) 250,639, 205,639, 250,369, 25,639, 205,936

Answer: 250,639, 250,369, 205,936, 205,639, 25,639

(b) 418,000, 481,000, 4,180, 408,100

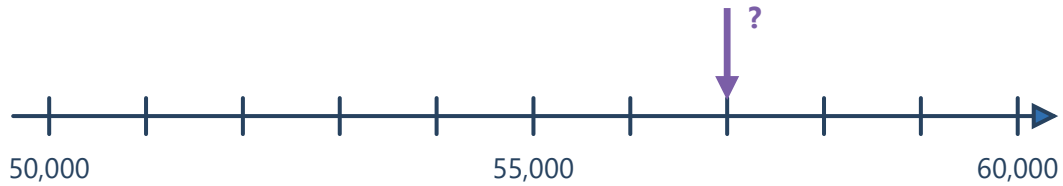
Answer: 481,000, 418,000, 408,100, 4,180

4 What number is the arrow pointing to?



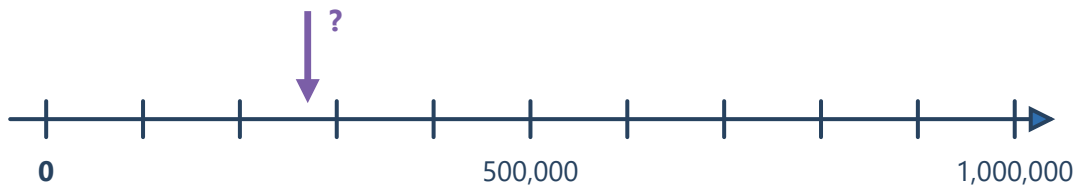
Answer: 470,000

- 5 Priya draws an arrow on this number line. What number is it pointing to?



Answer: 57,000

- 6 The arrow points to a number on the line. Which is the best estimate? A 20,000 B 250,000 C 520,000 D 720,000



Answer: B (250,000)

- 7 Which digits could go in the box to make this true?

4 ? 5,200 > 435,200

Answer: 4, 5, 6, 7, 8 and 9

- 8 Find the number that is exactly halfway between each pair of numbers.

- (a) 250,000 and 350,000

Answer: 300,000

- (b) 125,000 and 175,000

Answer: 150,000

- (c) 680,000 and 720,000

Answer: 700,000

- (d) 1,000 and 99,000

Answer: 50,000

- 9 Amira has six digit cards. Use **all six** cards each time to make a six-digit number.



- (a) The largest number

Answer: 975,320

- (b) The smallest number

Answer: 203,579

- (c) The smallest **even** number

Answer: 235,790

- 10** Use all six cards each time to make a six-digit number.



- (a) The largest number that is **less than 500,000**

Answer: 486,210

- (b) The smallest number that is **more than 500,000**

Answer: 601,248

- 11** The table shows the number of people who live in five towns.

Town	People
Ashby	185,420
Bexley	158,240
Corton	185,240
Dunmore	98,765
Elford	205,010

- (a) Which town has the most people?

Answer: Elford

- (b) Which town has the fewest people?

Answer: Dunmore

- (c) Write the towns in order, from the most people to the fewest.

Answer: Elford, Ashby, Corton, Bexley, Dunmore

- 12** Four stadiums have these numbers of seats.

Stadium	Seats
Arena A	62,400
Arena B	59,250
Arena C	74,500
Arena D	60,000

Which stadium has the **second** most seats?

Answer: Arena A

- 13** Mei says, "98,765 is greater than 100,234 because 9 is greater than 1." Is she right? Explain.

Answer: No. $98,765 < 100,234$ because it has fewer digits.

- 14** Is this always, sometimes or never true?

"If you swap two digits in a number, the new number is smaller."

Answer: Sometimes

- 15** Amira says, "600,000 is 10 times as big as 60,000." Noah says, "600,000 is 100 times as big as 6,000." Who is right? Prove it.

Answer: Both are right.

- 16** Use each of the digit cards 1, 2, 3, 4, 5 and 6 once to make a six-digit number that is as close as possible to 500,000. What number can you make? Show how you know.

Answer: 512,346