

Year 5: Column subtraction with bigger numbers: answers

Year 5 - Column Addition and Subtraction - Lesson 2.2

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/ch02-addition-subtraction/column-subtraction-with-bigger-numbers/

Exercise 2B Column subtraction Non-calculator

1 Use the column method. Nothing needs to be exchanged.

(a) $76,845 - 32,613$

Answer: 44,232

(b) $98,765 - 54,321$

Answer: 44,444

(c) $845,290 - 523,170$

Answer: 322,120

(d) $967,481 - 305,260$

Answer: 662,221

2 Use the column method. You will need to exchange.

(a) $63,452 - 28,176$

Answer: 35,276

(b) $84,270 - 51,835$

Answer: 32,435

(c) $592,316 - 238,479$

Answer: 353,837

(d) $730,458 - 415,192$

Answer: 315,266

3 Use the column method. You will need to exchange three or more times.

(a) $52,341 - 27,685$

Answer: 24,656

(b) $836,252 - 478,968$

Answer: 357,284

(c) $700,812 - 354,699$

Answer: 346,113

(d) $913,427 - 568,739$

Answer: 344,688

4 There are zeros in the top number. Use the column method.

(a) $30,205 - 14,768$

Answer: 15,437

(b) $80,003 - 24,567$

Answer: 55,436

(c) $604,030 - 258,941$

Answer: 345,089

(d) $900,007 - 123,458$

Answer: 776,549

5 The top number has lots of zeros. Use the column method. What happens to the zeros?

(a) $50,000 - 23,764$

Answer: 26,236

(b) $300,000 - 124,568$

Answer: 175,432

(c) $700,000 - 365,829$

Answer: 334,171

(d) $1,000,000 - 245,617$

Answer: 754,383

6 Take a smaller number from a bigger one. Line up the digits on the right.

(a) $46,231 - 5,874$

Answer: 40,357

(b) $462,310 - 5,874$

Answer: 456,436

(c) $305,200 - 68$

Answer: 305,132

(d) $800,000 - 7$

Answer: 799,993

7 These are all subtractions. Work out each answer.

(a) Find the difference between 62,140 and 38,975.

Answer: 23,165

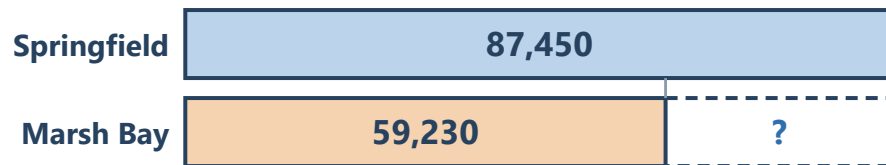
(b) What is 245,000 less than 600,000?

Answer: 355,000

- (c) How many more is 150,300 than 78,654?

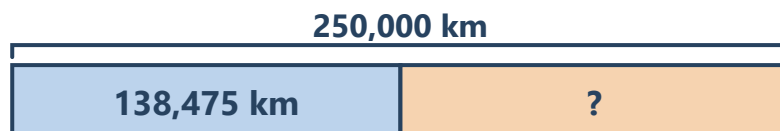
Answer: 71,646

- 8 The population of Springfield is 87,450. The population of Marsh Bay is 59,230. How many more people live in Springfield?



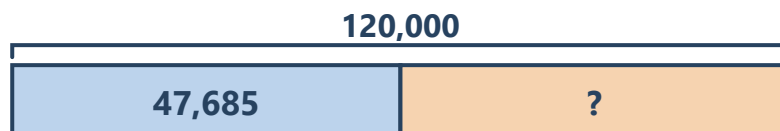
Answer: 28,220 people

- 9 A ship has to sail 250,000 km. So far it has sailed 138,475 km. How much further does it have to sail?



Answer: 111,525 km

- 10 A concert hall can hold 120,000 people at a festival. 47,685 tickets have been sold. How many tickets are still for sale?



Answer: 72,315 tickets

- 11 Leo works out $60,402 - 28,975$. He says the answer is 48,573. Leo has made a mistake. Find the mistake and write the correct answer.

Answer: 31,427

- 12 Dev says, "When you take away from 500,000 there are always lots of 9s in the answer." Is Dev right? Work out $500,000 - 1$ and $500,000 - 100,000$ to find out.

Answer: No. $500,000 - 1 = 499,999$ has 9s, but $500,000 - 100,000 = 400,000$ has none.

- 13 Always, sometimes or never? When you take a five-digit number away from a six-digit number, the answer has five digits.

Answer: Sometimes

- 14 Here is a number puzzle. Pick a three-digit number where the first digit is bigger than the last digit and no digit is repeated. Reverse the digits to make a new number. Subtract the smaller from the bigger. Try it with 852, 731 and 964. What do you notice about the answers?

Answer: The middle digit is always 9, and the first and last digits add to 9.