

GCSE Maths: Adding and subtracting (Higher): answers

GCSE Maths - Number Basics - Higher - Lesson 1.2

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/gcse/maths/ch01-number-basics/higher/adding-and-subtracting/

Exercise 1B Adding and subtracting Non-calculator

1 Work out each addition using a column method.

(a) $345 + 278$

Answer: 623

(b) $4806 + 1975$

Answer: 6781

(c) $73.4 + 8.95$

Answer: 82.35

(d) $256 + 389 + 47$

Answer: 692

(e) $0.68 + 5.7$

Answer: 6.38

(f) $12\,480 + 9\,735$

Answer: 22 215

2 Work out each subtraction using a column method.

(a) $802 - 457$

Answer: 345

(b) $6000 - 2348$

Answer: 3652

(c) $15.2 - 7.85$

Answer: 7.35

(d) $9 - 3.64$

Answer: 5.36

(e) $30\,105 - 8\,967$

Answer: 21 138

(f) $4.2 - 0.375$

Answer: 3.825

3 A school has 468 boys and 512 girls. How many students does it have altogether?

Answer: 980

- 4 A car park has 1250 spaces. 876 spaces are in use. How many spaces are empty?

Answer: 374

- 5 Sasha works out $3004 - 1856$ and gets 1248. Use addition to check her answer. Is she right?

Answer: No. The correct answer is 1148

- 6 Ali works out $5.2 + 0.37$ and writes 0.89. Explain his mistake and work out the correct answer.

Answer: 5.57

- 7 Beth buys three items costing £3.45, £12.99 and £0.85.

- (a) Work out the total cost.

Answer: 17.29

- (b) She pays with a £20 note. Work out her change.

Answer: 2.71

- 8 Here is a calculation with two digits hidden: $4 \blacksquare 7 + 28 \blacksquare = 703$. Work out the two hidden digits.

Answer: The hidden digits are 1 and 6 ($417 + 286 = 703$)

- 9 A scientist records the masses of three samples: 4.6 g, 12.35 g and 0.075 g. Work out the total mass.

Answer: 17.025 g

- 10 Show that the difference between 10 000 and 4 387 is 5 613.

Answer: $10\,000 - 4\,387 = 5\,613$

- 11 Use each of the digits 1, 2, 3, 4, 5 and 6 once to make two three-digit numbers with the **largest possible sum**. What is the sum?

Answer: 1173