

GCSE Maths: Adding and subtracting decimals (Foundation): answers

GCSE Maths - Decimals, Rounding and Estimation - Foundation - Lesson 4.2

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/gcse/maths/ch04-decimals-rounding-estimation/foundation/adding-and-subtracting-decimals/

Exercise 4B Adding and subtracting decimals

Non-calculator

1 Work out

(a) $1.2 + 3.5$

Answer: 4.7

(b) $2.7 + 1.6$

Answer: 4.3

(c) $0.5 + 0.25$

Answer: 0.75

2 Work out

(a) $3.4 + 2.5$

Answer: 5.9

(b) $0.6 + 0.27$

Answer: 0.87

(c) $12.7 + 8.5$

Answer: 21.2

(d) $4.56 + 3.78$

Answer: 8.34

(e) $0.907 + 0.85$

Answer: 1.757

(f) $25 + 3.64$

Answer: 28.64

3 Work out

(a) $7.9 - 3.4$

Answer: 4.5

(b) $6.5 - 2.8$

Answer: 3.7

(c) $12.4 - 5.67$

Answer: 6.73

(d) $10 - 3.45$

Answer: 6.55

(e) $8.003 - 2.9$

Answer: 5.103

(f) $0.5 - 0.347$

Answer: 0.153

4 Work out

(a) $5.6 - 2.3$

Answer: 3.3

(b) $4.8 - 1.9$

Answer: 2.9

(c) $3 - 1.25$

Answer: 1.75

- 5** Tom buys a drink for £1.85 and a sandwich for £3.60. He pays with a £10 note. How much change should he get?

Answer: £4.55

- 6** Three parcels have masses 2.35 kg, 4.8 kg and 0.975 kg. A courier bag can hold at most 10 kg. How much more mass can be added to the bag after the three parcels?

Answer: 1.875 kg

- 7** A ribbon is 3 m long. A piece 1.85 m long is cut off. How much ribbon is left?

Answer: 1.15 m

- 8** Find the missing number.

(a) $4.6 + ? = 9.1$

Answer: 4.5

(b) $? + 2.75 = 6$

Answer: 3.25

(c) $12 - ? = 7.4$

Answer: 4.6

- 9** Sara works out $3.5 + 0.27$ and gets 0.62. Explain her mistake and work out the correct answer.

Answer: 3.77

- 10** Four runners in a relay team run 11.43 s, 10.98 s, 11.07 s and 11.52 s. Work out the total time of the team in seconds.

Answer: 45 s

- 11** The rectangle has length 5.4 cm and width 3.65 cm. Work out its perimeter.



Answer: 18.1 cm

- 12** At midnight the temperature was -3.4°C . By morning it had risen by 5.7°C . What was the temperature in the morning?

Answer: 2.3°C

- 13** Show that $2.4 + 3.7 + 1.9 = 8$.

Answer: 8

- 14** Two decimals have a total of 1 and a difference of 0.3. Work out the two decimals.

Answer: 0.65 and 0.35