

GCSE Maths Number Basics (Higher): check-up and exam-style questions: answers

GCSE Maths - Number Basics - Higher - Test yourself

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/check-up-and-exam-style-questions/

Exercise 1Z Check-up (non-calculator) Non-calculator

- 1 Write down the value of the digit 5 in 29.056.

Answer: 0.05

- 2 Write these numbers in order, smallest first: 0.38, 0.308, 0.83, 0.3

Answer: 0.3, 0.308, 0.38, 0.83

- 3 Work out $48.7 + 5.36$.

Answer: 54.06

- 4 Work out $7002 - 3458$.

Answer: 3544

- 5 Work out 86×47 .

Answer: 4042

- 6 Work out $1496 \div 22$.

Answer: 68

- 7 Work out $-4 - (-9)$.

Answer: 5

- 8 Work out $24 \div (2 + 4) + 3^2$.

Answer: 13

- 9 Change 3.4 km into metres.

Answer: 3400 m

- 10 Write down the reciprocal of $\frac{3}{4}$.

Answer: $\frac{4}{3}$

Exercise 1X Exam-style questions Non-calculator

- 1 Write the number 70 305 in words.

[1 mark]

Answer: seventy thousand three hundred and five

- 2 Write these numbers in order, starting with the smallest. 0.45, 0.5, 0.405, 0.54

[2 marks]

Answer: 0.405, 0.45, 0.5, 0.54

- 3** Work out 427×36 . [3 marks]

Answer: 15 372

- 4** Work out $1755 \div 15$. [3 marks]

Answer: 117

- 5** Work out $-7 - (-3)$. [2 marks]

Answer: -4

- 6** Work out $5 + 3 \times (8 - 2)^2$. [3 marks]

Answer: 113

- 7** Cinema tickets cost £8.50 for an adult and £5.20 for a child. Two adults and three children go to the cinema. They pay with a £50 note. Work out the change they should get. [4 marks]

Answer: £17.40

- 8** A bus leaves the station at 08:45. It arrives in town at 11:20. How long does the journey take? Give your answer in hours and minutes. [2 marks]

Answer: 2 hours 35 minutes

- 9** Anna has 2.4 kg of flour. She puts the flour into bags. Each bag holds 150 g. How many bags can she fill? [3 marks]

Answer: 16 bags

- 10** Given that $28 \times 35 = 980$, work out 2.8×35 . [2 marks]

Answer: 98

- 11** 235 students go on a trip. Each coach holds 48 students and costs £185 to hire. Work out the total cost of the coaches that are needed. [3 marks]

Answer: £925

- 12** Show that $0.3 \times 0.04 = 0.012$. [2 marks]

Answer: $0.3 \times 0.04 = 0.012$

- 13** Ben writes $4 + 6 \times 5 = 10 \times 5 = 50$. Is Ben correct? Give a reason. [2 marks]

Answer: No. The answer is 34

- 14** A rectangle has length 6.5 cm and width 4 cm. Work out its perimeter. [2 marks]

Answer: 21 cm

- 15** Work out $4.68 \div 0.18$. [3 marks]

Answer: 26

- 16** Work out $(-3)^2 - 4 \times (-2)$. [3 marks]

Answer: 17

- 17** A car travels 135 km in 1 hour 30 minutes. Work out its average speed. At this speed, how far will the car travel in 2 hours 20 minutes? [4 marks]

Answer: 90 km/h; 210 km

- 18** Show that $7.5 \div 0.025 = 300$. [3 marks]

Answer: $7.5 \div 0.025 = 300$