

GCSE Boot Camp

Foundation Maths Week 2 Workbook

Questions



GCSE Boot Camp

Topics

Hello! Welcome to Week 2 of your 8 Week GCSE Boot Camp.

Every week you'll get a practice workbook to work through a range of topics, taken from our GCSE Foundation Advanced course.

We've also included links to 2 of our expert tutorial videos on some of these exact questions. That way, if you get stuck, you can try watching one of our tutorial videos with our Maths expert Patricia.

For full access to all of the corresponding videos sign up for a SchoolOnline subscription from £8.99 a month.

In next week's email we'll send you the answers to this workbook to download *PLUS* a brand new workbook to practice.

Week 2's workbook topic is:

- Number questions
 - Including questions on Factors, Multiples and Standard Form



GCSE Foundation Maths - Number

Highest Common Factor

Sample A Foundation Calc Paper 2

16 Find the Highest Common Factor (HCF) of 24 and 60

.....
(Total for Question 16 is 2 marks)

HCF

Sample B Foundation Calc Paper 2

21 Find the highest common factor (HCF) of 32, 48 and 72

.....
(Total for Question 21 is 2 marks)

LCM and HCF

June 2018 Foundation Calc Paper 2

21 (a) Find the lowest common multiple (LCM) of 40 and 56

.....
(2)

$$A = 2^3 \times 3 \times 5 \qquad B = 2^2 \times 3 \times 5^2$$

(b) Write down the highest common factor (HCF) of A and B .

.....
(1)

(Total for Question 21 is 3 marks)

Multiples, Factors and Prime Factors

June 2018 Foundation Calc Paper 2

3 Work out the value of 3^5

.....
(Total for Question 3 is 1 mark)

Indices

June 2017 Foundation Non-Calc Paper 1

- 1 Work out the value of 2^4

.....

(Total for Question 1 is 1 mark)

Roots

June 2018 Foundation Calc Paper 3

- 8 (a) Find the value of $\sqrt{1.44 \times 3.61}$

.....

(1)

- (b) Find the value of $(3.54 - 0.96)^2 - 4.096$

.....

(2)

(Total for Question 8 is 3 marks)

Bounds and Percentages

June 2017 Foundation Calc Paper 3

23 Harley's house has a value of £160 000 correct to 2 significant figures.

(a) (i) Write down the least possible value of the house.

£.....
(1)

(ii) Write down the greatest possible value of the house.

£.....
(1)

The value of Rita's house increased by 5%.
Her house then had a value of £210 000

(b) Work out the value of Rita's house before the increase.

£.....
(2)

(Total for Question 23 is 4 marks)

Standard Form

June 2017 Foundation Calc Paper 2

15 (a) Write 4.7×10^{-1} as an ordinary number.

.....
(1)

(b) Work out the value of $(2.4 \times 10^3) \times (9.5 \times 10^5)$
Give your answer in standard form.

.....
(2)

.....
(Total for Question 15 is 3 marks)
.....

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Expert tutorial



Need some extra help? That's what we're here for!

In this video Patricia will explain how to answer the first question in your workbook on Highest Common Factors (Q16).

Grab your pen and paper and remember to take notes! If you want more access to awesome videos like this, [sign up for a full SchoolOnline subscription here.](#)

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Expert tutorial



Need some extra help? That's what we're here for!

In this video Patricia will explain how to answer the final question in your workbook on Standard Form (Q15).

Students often find this topic tricky, so grab your pen and paper and remember to take notes! If you want more access to awesome videos like this, [sign up for a full SchoolOnline subscription here.](#)

