



FUNCTIONAL SKILLS MATHS & ENGLISH

LEVEL 1 & 2 EXAMS

Functional Skills Maths & English Exams

Exam Centre is a specialist provider of **Functional Skills** qualifications in **Maths** and **English**, offering **City & Guilds** examinations that are fully regulated and **approved by Ofqual**.

Our Functional Skills qualifications are recognised as equivalent to **GCSE grade 4+ (grade C and above)**, providing learners with a credible and nationally accepted route into further education, apprenticeships, and employment.

[BOOK NOW](#)

[LEARN MORE](#)

Online Courses

- ➔ Functional Skills Maths
- ➔ Functional Skills English

Exams

- ➔ Functional Skills **Maths** Level 1 or 2 Exams **in London**
- ➔ Functional Skills **English** Level 1 or 2 Exam **in London**
- ➔ **Online** Functional Skills **Maths** Level 1 or 2 Exams
- ➔ **Online** Functional Skills **English** Level 1 or 2 Exam

***Disclaimer:** The content of this document belongs to the respective awarding body and is shared for educational purposes only, Exam Centre does not claim ownership of this material.*



www.examcentre.co.uk



362 Essex Road
Islington N1 3PD



020 7288 9020

BOOK YOUR FUNCTIONAL SKILLS EXAM NOW!

Please write clearly in block capitals.

Centre number

Candidate number

Surname _____

Forename(s) _____

Candidate signature _____

I declare this is my own work.

Functional Skills Level 2 MATHEMATICS

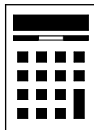
Paper 2 Calculator

Time allowed: 1 hour 30 minutes

Materials

For this paper you must have:

- a calculator
- mathematical instruments.



Instructions

- Use black ink or black ball-point pen. Draw diagrams in pencil.
- Answer **all** questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).
- Do all rough work in this book. Cross through any work you do not want to be marked.
- State the units of your answer where appropriate.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 60.
- You may ask for more answer paper, graph paper and tracing paper. These must be tagged securely to this answer book.
- If your calculator does not have a π button, take the value of π to be 3.142

Advice

In all calculations, show clearly how you work out your answer.

For Examiner's Use	
Question	Mark
1–6	
7	
8	
9	
10	
TOTAL	



Section AAnswer **all** questions in the spaces provided.**1** Here are six numbers.

3 3 3 4 6 8

Work out the median.

Circle your answer.

[1 mark]

3 3.5 4.5 5

2 Here is a scale.

2 cm represents 5 m

What does a length of 7.2 cm represent?

[2 marks]

Answer _____



3 Work out the value of $a^2 - 4b$ when $a = 3.6$ and $b = 1.7$

[2 marks]

Answer _____

4 Write these fractions in order, starting with the **smallest**.

$$\frac{13}{20}$$

$$\frac{27}{40}$$

$$\frac{3}{5}$$

[2 marks]

Answer _____ , _____ , _____

Turn over for the next question

Turn over ►



- 5 Without calculating the exact value,
use approximations to estimate the answer to $376\,025 \times 6.1$

[2 marks]

Answer _____

- 6 Complete the table to show equivalent fractions, decimals and percentages.

[3 marks]

Fraction	Decimal	Percentage
$\frac{1}{25}$	0.04	
	0.23	23%
$\frac{7}{1000}$		0.7%



Section B

Answer **all** questions in the spaces provided.

7 Jam

Daisy makes jam and sells it at a farmers' market.

7 (a) Daisy makes 24 jars of blueberry jam.

The table shows the cost of the ingredients and jars that Daisy needs.

Item	Needs	Cost
Blueberries	4.5 kg	£1.79 per 150 g
Sugar	5 kg	£2.08 per kg
Lemons	4	17p each
Glass jars	24	£3.90 for 6

How much will it cost Daisy to make the 24 jars of jam?

[6 marks]

Answer £ _____

Question 7 continues on the next page

Turn over ►



- 7 (b)** The glass jars are in the shape of a cylinder of radius 3.4 cm
Daisy fills a jar to a height of 7.5 cm
1 cm³ of jam has a mass of 1.29 grams.

Work out the mass of jam in the jar.

[4 marks]

Answer _____ grams



8 Electric car

Jamal has an electric car.

The car is powered by a rechargeable battery.

8 (a) Jamal installs a charging point to charge the car at home.

The government pays 40% of the cost.

Jamal pays £525

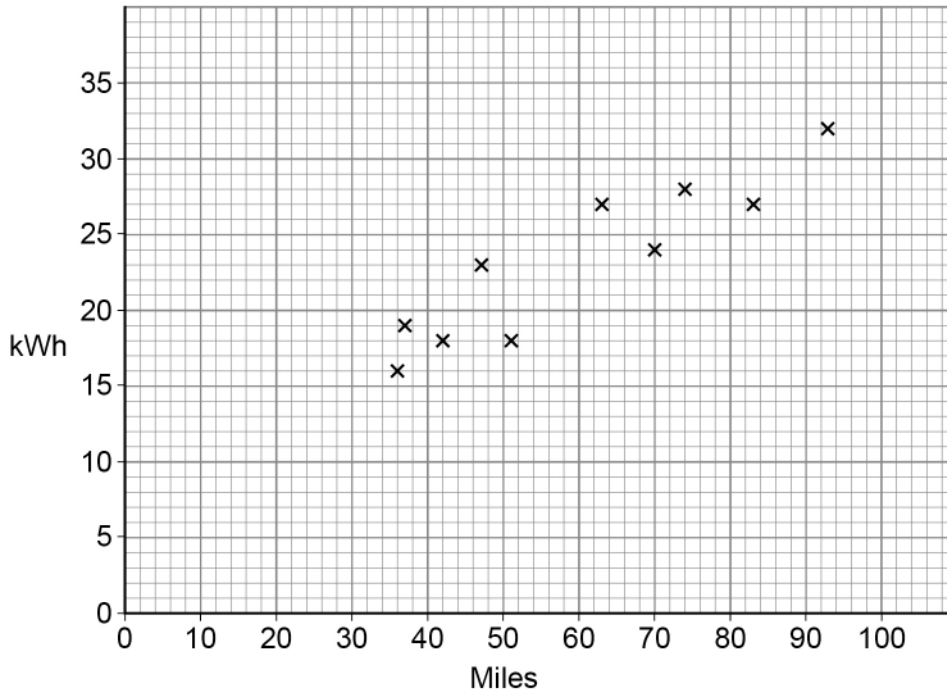
Work out the full cost.

[3 marks]

Answer £ _____



- 8 (b) Jamal wants to know the approximate cost of the electricity used for a car journey. He records information about the miles driven and electricity used (kWh) for 12 journeys. 10 of the journeys are shown on the scatter diagram.



The table shows the extra data for the other two days.

Miles driven	Electricity used (kWh)
60	21
84	32

1 kWh of electricity costs 15p

Use the scatter diagram **with the extra data** to estimate the **cost** to drive 80 miles.

You **must** show your working, some of which should be on the diagram.

[6 marks]

Answer £ _____



9 Fitness gym

Nicole manages a fitness gym.

9 (a) One week, Nicole recorded how many people used the rowing machine.

From Monday to Friday,

the mean number of people who used the machine was 21 per day.

From Monday to Sunday,

the mean number of people who used the machine was 26 per day.

32 people used the machine on Saturday.

How many people used the machine on **Sunday**?

[3 marks]

Answer _____

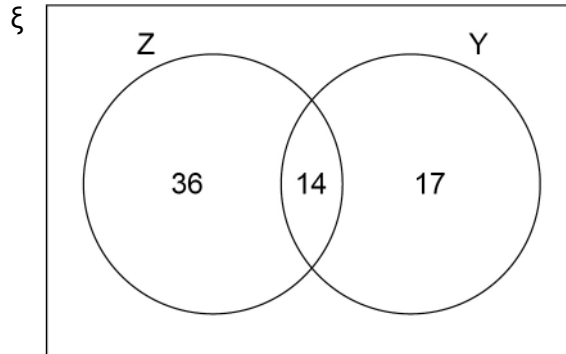


9 (b) The gym has two classes on one day.

The Venn diagram represents the members who attended at least one class.

Z = Zumba class

Y = Yoga class



One of these gym members is chosen at random.

Work out the probability that the member attended exactly **one** of the classes.

[3 marks]

Answer _____

Question 9 continues on the next page

Turn over ►



9 (c) Lottie and Emma visit the gym.

They both exercise by running on the treadmill.

Lottie runs for 36 minutes at an average speed of 7.24 miles per hour.

Emma runs 4.125 miles.

How much further did Lottie run than Emma?

[4 marks]

Answer _____ miles

10



10 Craft business

Ros runs a craft business.

She makes teddy bears and cushions.

10 (a) Ros has £350 to spend on a new sewing machine.

She buys this sewing machine.

SEWING MACHINE WAS £395 NOW 17% OFF

How much of the £350 does Ros have left?

[4 marks]

Answer £ _____

Question 10 continues on the next page

Turn over ►



- 10 (b)** Ros makes circular cushion covers.
Each cover has a zip.
She uses these steps to work out the length of zip needed.

Step 1 Use the diameter to work out the circumference of the cover

Step 2 Divide the answer to **Step 1** by 2

Step 3 Subtract $\frac{1}{4}$ of the diameter from the answer to **Step 2**

A cushion cover has a diameter of 16 inches.

Work out the length of the zip in centimetres.

Use 1 inch = 2.5 centimetres

[5 marks]

Answer _____ cm



- 10 (c)** Ros makes small teddy bears and large teddy bears.
She fills the teddy bears with wool.
The weight of wool she uses for each bear is in the ratio

$$\text{small teddy bears} : \text{large teddy bears} = 2 : 3$$

Ros uses 560 g of wool to fill one **small** teddy bear.

How many **large** teddy bears can she fill from a 10 kg bag of wool?

[4 marks]

Answer _____

13

END OF QUESTIONS



There are no questions printed on this page

*Do not write
outside the
box*

**DO NOT WRITE ON THIS PAGE
ANSWER IN THE SPACES PROVIDED**



There are no questions printed on this page

*Do not write
outside the
box*

**DO NOT WRITE ON THIS PAGE
ANSWER IN THE SPACES PROVIDED**

Copyright information

For confidentiality purposes, all acknowledgements of third-party copyright material are published in a separate booklet. This booklet is published after each live examination series and is available for free download from www.aqa.org.uk.

Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders may have been unsuccessful and AQA will be happy to rectify any omissions of acknowledgements. If you have any queries please contact the Copyright Team.

Copyright © 2022 AQA and its licensors. All rights reserved.



2 0



2 2 1 A 8 3 6 2 / 2

IB/M/Jan22/8362/2



Ready to Take Your Functional Skills Exam?

Exam Centre is offering Ofqual-regulated, City & Guilds approved Functional Skills Maths and English exams; the nationally recognised GCSE grade 4+ (grade C) equivalent. Whether you're sitting for the first time or resitting, we offer flexible exam bookings online and at our centre all year round.

 **Book Now!**

Book Your Exams & Courses

Qualification	Private Course	Online Exam	Exam in London
Functional Skills Maths Level 1 & 2	Enrol on Course	Book Online Exam	Book London Exam
Functional Skills English Level 1 & 2	Enrol on Course	Book Online Exam	Book London Exam

Why Exam Centre?

- Ofqual-regulated & fully accredited
- City & Guilds approved awarding body exams
- Accepted by employers, colleges, universities & apprenticeship providers
- Flexible online and in-person options across the UK
- Recognised GCSE Maths & English equivalent (grade 4+ / grade C)

CALL US FOR MORE INFORMATION:

 **020 7288 9020**

 booking@examcentre.co.uk

 www.examcentre.co.uk