



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 1 Non-Calculator

Tuesday 25 February 2020

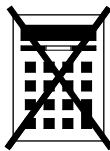
Morning

Time allowed: 30 minutes

Materials

For this paper you must have:

- mathematical instruments.
- You must **not** use a calculator.



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 20.
- You may ask for more answer paper, graph paper and tracing paper. These must be tagged securely to this answer book.

Advice

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

For Examiner's Use	
Question	Mark
1–4	
5	
TOTAL	



M A R 2 0 8 3 6 2 1 0 1

IB/M/Mar20/E5

8362/1
QAN 603/4258/4



FUNCTIONAL SKILLS ONLINE COURSES

- ✓ Your answers are analysed to determine your Current Level
- ✓ Suggested courses for you to enrol on based on your calculated level
- ✓ Always know the level you are currently working at
- ✓ Determine when you are ready to sit your exam

Functional Skills English Initial Assessment
English
13 Questions | No Time Limit
Start Initial Assessment

Functional Skills Maths Initial Assessment
Maths
25 Questions | Mixed Calculator | No Time Limit
Start Initial Assessment

Recommendations
Based on your results from this initial assessment, we estimate you are currently at **Level 1.5**.
From this diagnostic, we think one of the following courses would be suitable:

Functional Skills Maths Level 2
35 Topic Count | 105 Tests
43 Mock Exams
Enrol Now

Pick my own

- ✓ Explainer videos on every topic
- ✓ Quick-fire style multiple choice questions
- ✓ Test your knowledge with exam-style questions
- ✓ Written solutions for all questions

Why do we write...

Practice Question 1 of 5
Calculation
 $76 + 113 = 189$

Question 2 of 5
Select the correct answer from the list below:
129
143
189
154

Written Solution
 $76 + 113 = 189$

Course Completion %
View the completion percentage for the course.

6.44%

Using Numbers
16 TOPICS
27.08% Complete

Start Learning

Previous Results for Addition and Subtraction (including

ATTEMPT DATE	DIFFICULTY	RESULT
25/04/2022 15:39	Easy	80%
18/01/2022 14:01	Medium	20%

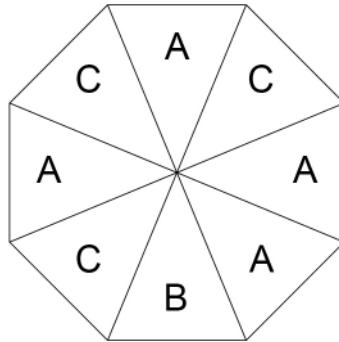
- ✓ See your progress through as you progress through each topic area
- ✓ Get your average scores for practice questions, topic tests and mock exams
- ✓ View all practice question, topic test and mock exam attempts over time
- ✓ View historical attempts to analyse your progress over time

Or visit
passfunctionalskills.co.uk

Section A

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

- 1 Here is a fair spinner.



$$8 \text{ sections}$$

$$4 \text{ A's}$$

$$\frac{4}{8} = \frac{1}{2} = 0.5$$

Circle the probability that the spinner lands on A.

[1 mark]

0.5

0.125

0.375

0.3

- 2 Work out
- $2^3 \times (16 - 4)$

[2 marks]

$$2^3 = 2 \times 2 \times 2 = 8 \quad 16 - 4 = 12$$

$$8 \times 12 = 96$$

Answer 96

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

[3 marks]

Fraction	Decimal	Percentage
$\frac{3}{5}$	0.6	60%
$\frac{11}{40}$	0.275	27.5%
$\frac{95}{100}$	0.95	95%

$$0.6 \times 100$$

$$27.5 \div 100$$

4 Put the following numbers in order, starting with the **largest**.

10 -6 -4 -1 8 3

[2 marks]

Answer 10 , 8 , 3 , -1 , -4 , -6

8

Turn over for Section B

Turn over ►



Section B

Answer **all** questions in the spaces provided.**5 Holiday**

Sally is planning a holiday.

5 (a) Sally will be going with her son, who is a child.The holiday will be for **2 weeks**.

She sees offers for two holidays.

ThailandAdult price:
£450 per weekChild price:
40% discount off adult price**Special Offer:**Stay 2 weeks, get $\frac{1}{6}$ off **total** cost**Hawaii**Adult price:
£660 per weekChild price:
10% discount off adult price**Special Offer:**

2nd week free

Which holiday is cheaper, Thailand or Hawaii?

You **must** show your working.**[7 marks]**

$$\begin{aligned} \text{Thailand: } & 100\% = 450 \\ & \div 10 \rightarrow 10\% = 45 \\ & \times 4 \rightarrow 40\% = 180 \end{aligned}$$

$$450 + 450 - 180 = 720$$

$$720 \times 2 = 1440 \quad 1440 \div 6 = 240$$

$$240 \times 5 = 1200$$

Hawaii:

$$10\% \text{ of } 660 = 66 \quad 660 - 66 = 594$$

$$594 + 660 = 1254$$

Answer Thailand

5 (b) Sally could use the airport car park for **14 days**.

The total charge for parking is given by

$$\text{Charge} = \text{£}19.95 + \text{£}12.00 \times (\text{Number of days} - 1)$$

Sally says,

“The total charge would be more than £170”

Is she correct?

You **must** show your working.

[5 marks]

$$19.95 + 12 \times (14 - 1)$$

$$= 19.95 + 12 \times 13 = 19.95 + 156$$

$$= 175.95$$

Yes she is correct

12

END OF QUESTIONS



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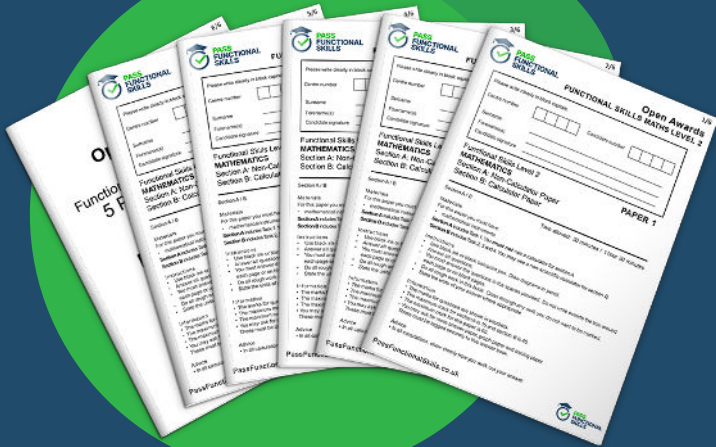
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outside the
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ANSWER IN THE SPACES PROVIDED**

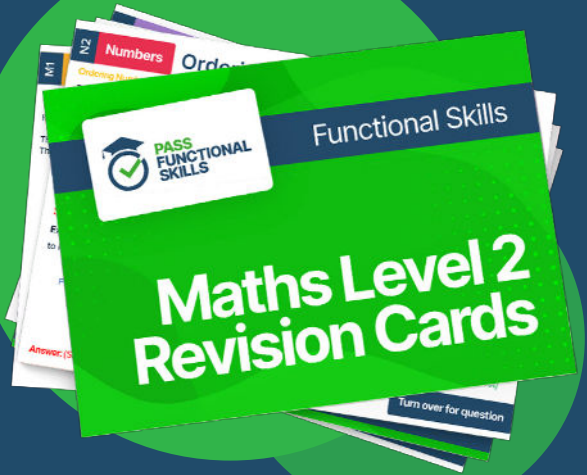




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