

Please write clearly in block capitals.

Centre number

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Candidate number

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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

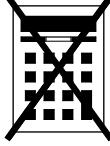
Time allowed: 30 minutes

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.

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

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.



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

IB/M/Mar20/E5

8362/1
QAN 603/4258/4



PASS
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SKILLS

FUNCTIONAL SKILLS ONLINE COURSES

Functional Skills English Initial Assessment
English

Functional Skills Maths Initial Assessment
Maths

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

Start Initial Assessment

Start Initial Assessment

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

Course Completion %

View the completion percentage for the course.

6.44%

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%

Using Numbers
16 TOPICS
27.08% Complete

Start Learning

- ✓ 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

Topic: Addition and Subtraction (including decimal) Topic Test Instructions

Question 2 of 6

1. Some students were asked about the number of hours they spent per week studying. Their answers are listed below.

2.8, 12.8, 15, 4.8, 9, 21.3

For 1, how many hours did most students spend studying?

Give your answer to 1 decimal place.

For 2, calculate the total area of the shaded region.

For 3, calculate the area of the triangle ABCD.

Area = $\frac{1}{2} \times 8 \times 10 = 40$ cm²

Total Area = $40 + 10 \times 8 + 10 \times 10 = 110$ cm²

Calculator

70 + 113 = 183

Select Practice Question Difficulty

Your answer:

Correct answer:

Incorrect:

Easy Mode:

Medium Mode:

Hard Mode:

Written Solution:

Written Solution

70 + 113 = 183

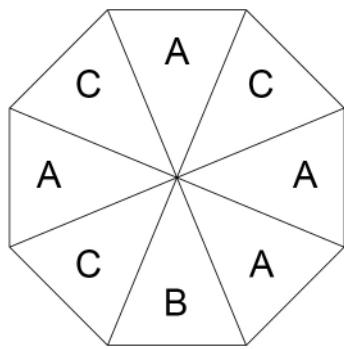
Report answer

- ✓ 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 AAnswer **all** questions in the spaces provided.

1 Here is a fair spinner.



8 sections
4 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]

$$2^3 = 2 \times 2 \times 2 = 8$$

$$16 - 4 = 12$$

$$8 \times 12 = 96$$

Answer

96



0 2

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

[3 marks]

Do not write outside the box

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

 0.6×100 $27.5 \div 100$

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 ►



0 3

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Section BAnswer **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.

Thailand

Adult price:

£450 per week

Child price:

40% discount off adult price

Special Offer:Stay 2 weeks, get $\frac{1}{6}$ off **total cost****Hawaii**

Adult price:

£660 per week

Child 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]**

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

$$\begin{aligned} 450 + 450 - 180 &= 720 \\ 720 \times 2 &= 1440 \quad 1440 \div 6 = 240 \\ 240 \times 5 &= 1200 \end{aligned}$$

Hawaii:

$$\begin{aligned} 10\% \text{ of } 660 &= 66 \quad 660 - 66 = 594 \\ 594 + 660 &= 1254 \end{aligned}$$

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



0 5

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outside the
box*

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



0 6

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Question number	<p style="text-align: center;">Additional page, if required. Write the question numbers in the left-hand margin.</p>
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0 8

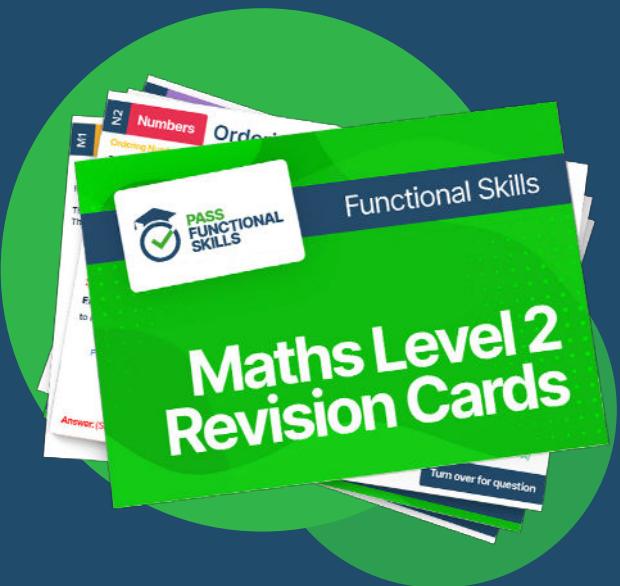
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