Functional Skills Model Solutions

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Maths Level 2   Maths Level 1
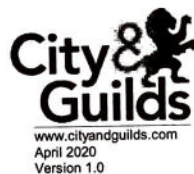
English Level 2   English Level 1

Functional Skills Mathematics (4748)
Entry 3 Sample Assessment

City & Guilds
www.cityandguilds.com
April 2020
Version 1.0

Candidate's paper – Calculator allowed

Community Events

Time allowed – 65 minutes

Marks: 30

Name: _____

City & Guilds Enrolment Number: _____

Date of registration: _____

Date of assessment: _____

You will need
- a calculator
- a pen with black or blue ink
- a pencil
- a rubber
- a ruler.

You may use a dictionary.

Instructions
- Read each question carefully.
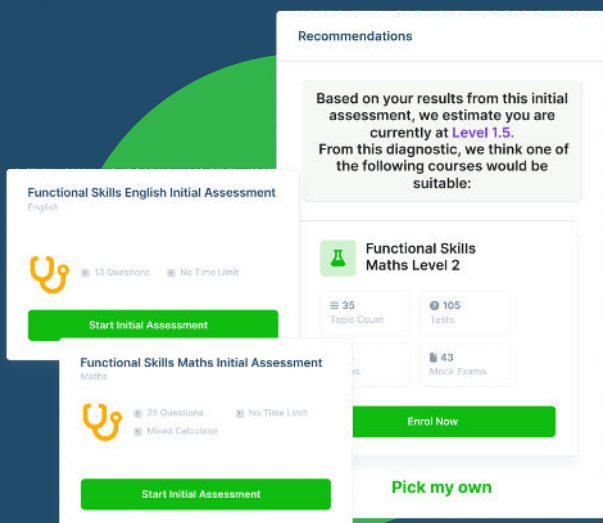- Answer **all** the questions.

Candidate's declaration:
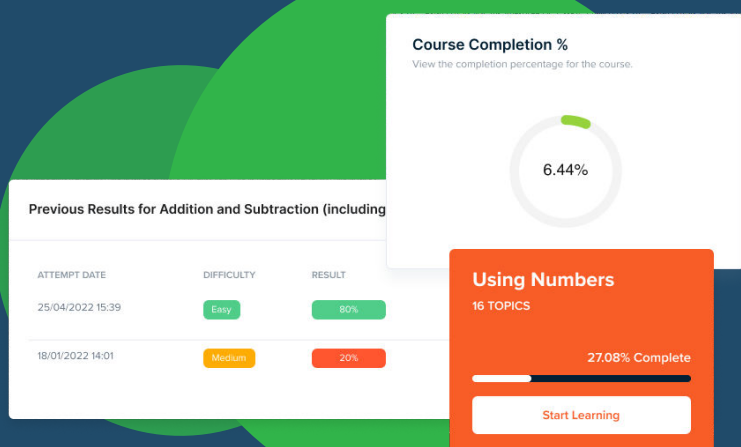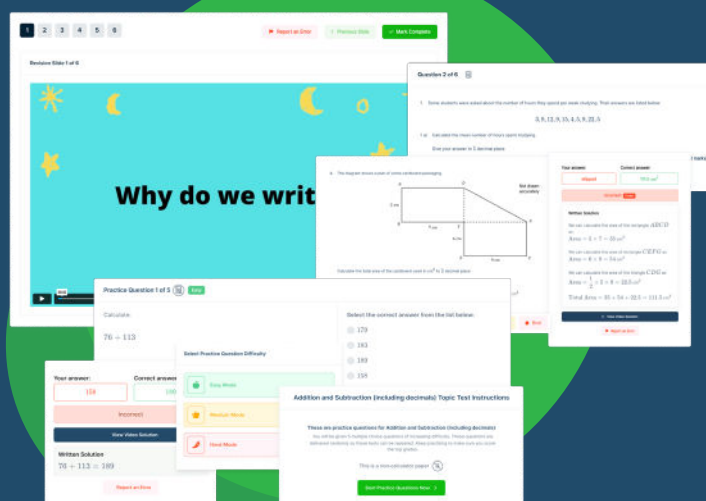I confirm that this assessment is my own work.

Candidate's signature _____

Date _____

FUNCTIONAL SKILLS ONLINE COURSES

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

Functional Skills English Initial Assessment
English

☑ 13 Questions | ☑ No Time Limit

Start Initial Assessment

Functional Skills Maths Initial Assessment
Maths

☑ 25 Questions | ☑ No Time Limit
☑ Mixed Calculator

Start Initial Assessment

✅ 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
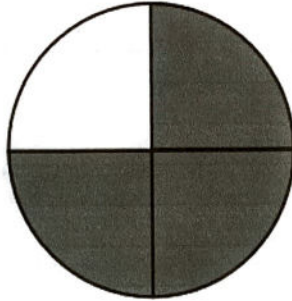
✅ Determine when you are ready to sit your exam

✅ Explainer videos on every topic

✅ Quick-fire style mutiple 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

✅ 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

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passfunctionalskills.co.uk

Q1 What fraction of this shape is shaded?

3/4

.... **1 mark**

Q2 What is the next number in this sequence?

2.4   3.5   4.6   5.7   *6.8*   **1 mark**

Q3 What is £108.72 rounded to the nearest pound?

£109

.... **1 mark**

Q4 A youth club plans to hold a Charity Sale.
People hire tables to sell things from.
The youth club has these different size tables.

1m

Small table
£5.25

2m

Large table
£8.50

A man wants to hire tables to cover a length of **4 metres**.

Which tables would be **cheapest** for him to hire?
Give a reason for your answer. Use numbers to help you explain.

Show your working out.

$\qquad$ cheapest

3 Options :

• 2 large tables $= £8.50 \times 2 = £17$
• 4 small tables $= £5.25 \times 4 = £21$
• 1 Large table, 2 small tables $= £8.50 + 2 \times £5.25$
$\qquad = £19$

Tables chosen ..2 Large tables.......... and

Total cost £...17..............

Reason
3 options to cover 4m, as shown above
hiring 2 large tables is the cheapest
option.

4 marks

Q5 A playgroup plans to hold a Coffee Morning to raise money.
The play leader needs to buy more cups, sugar and milk.

She says we need 200 cups.
They have these cups.

9 cups

a How many more cups do they need?

Space for working out.

12 Stacks with 9 cups in each Stack.

12 × 9 = 108 cups

200 − 108 = 92.

.........92......... cups

2 marks

She needs to work out how many bags of sugar she needs for 200 cups.
She allows **one spoonful of sugar** for each cup.

White
Sugar

500g

one spoonful of sugar weighs 4 grams

b How many bags of sugar should the play leader buy?

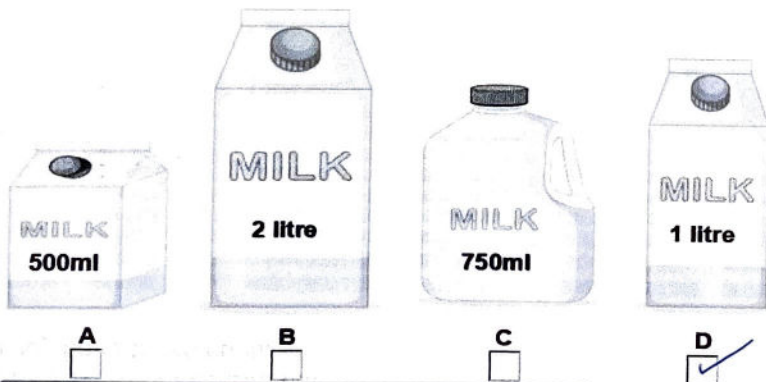Show your working out.

1 cup = 4g of sugar

200 cups = 4 × 200 = 800g

1 bag of sugar = 500g,

So she needs 2 bags of sugar (1000g)

..................2.............. bags

3 marks

The play leader works out she needs 850ml of milk.

MILK
500ml

MILK
2 litre

MILK
750ml

MILK
1 litre

A **B** **C** **D** ✓

c Which size milk should she buy? **Tick one.** **1 mark**

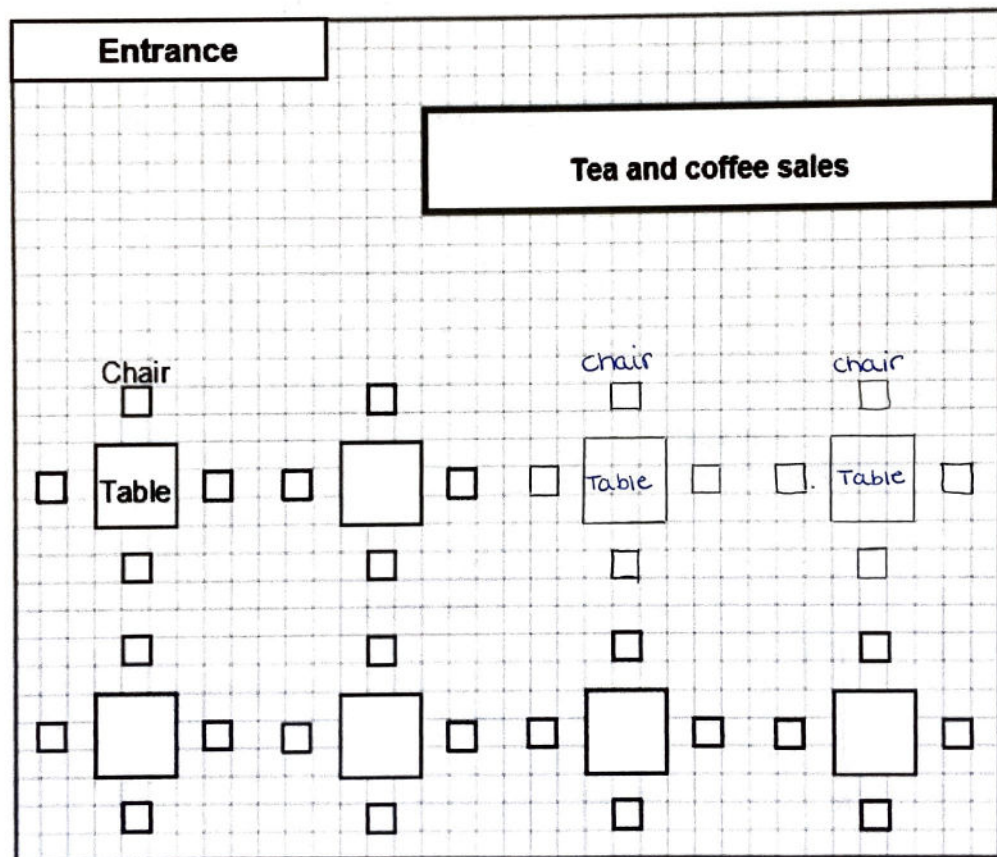**Q6** There will be Afternoon Tea at the community centre.
The organiser needs to set up the room.

He starts to draw a plan to show where he wants the tables and chairs to
go.

He needs **two more tables and eight chairs.**

They need to be the same size and the same distance apart as the
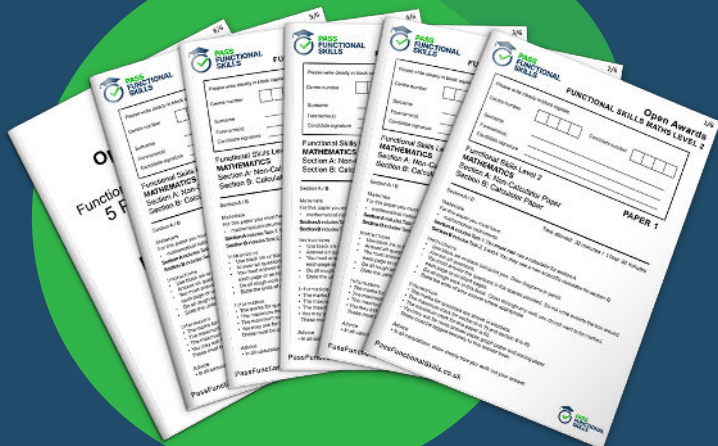others.

Plan of the room

Entrance	

Tea and coffee sales

Chair · Table · chair · chair

a | Complete the plan to show where the tables and chairs will go.
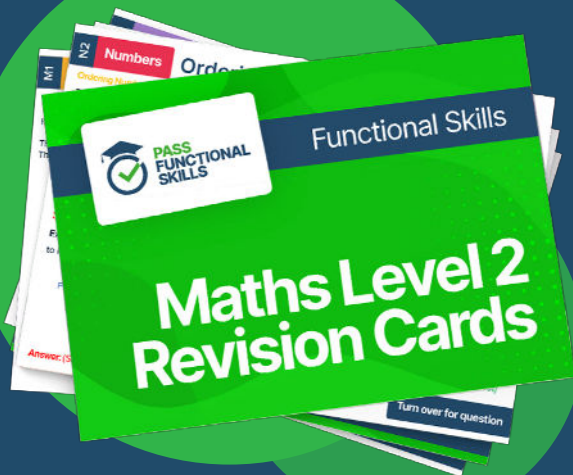**Put labels on your diagram.**

4 marks

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**Functional Skills Maths
Level 2 Practice Papers**

**Functional Skills Maths
Level 2 Revision Cards**

Maths Level 2
Revision Cards

**Functional Skills English Level 2
Practice Papers & Revision Cards**

**Functional Skills Maths
Level 2 Pocket Revision Guide**
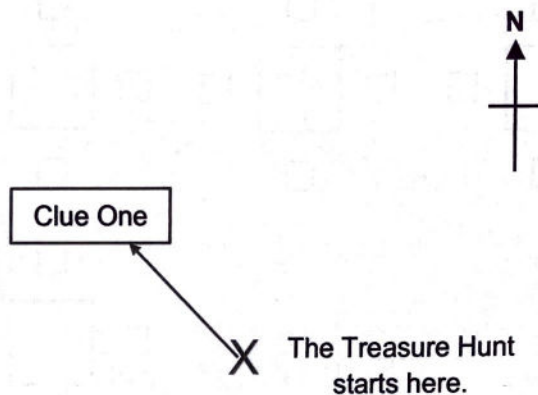
Functional Skills
Maths Level 2
Pocket Guide

Or visit
passfunctionalskills.co.uk

Q7 A scout group organises a Treasure Hunt. People will follow directions to look for clues **and** then answer questions.

A group of friends decide to take part.

Here is the direction to Clue One

N

Clue One

X The Treasure Hunt starts here.

a In which direction is Clue One?

.... North - west .... **1 mark**

They read Clue One.

Clue One

b | Which one of these letters has **no** lines of symmetry?

H   M   N   0

.... N .... **1 mark**

Q8 A club plans to hold a Barbecue for 400 people.

She allows **two sausages** for **each person.**

A club member needs to order the rolls **and** sausages.
She needs to order **one long roll** for **each sausage.**

The rolls are sold in packs of 24

long roll

a | How many packs of rolls must she order?

Show your working out.

400 people = 400 × 2 = 800 sausages

She needs 800 rolls.

$$\begin{array}{r} 033.3\cdots \\ 24\overline{)80^80.0} \end{array}$$ 800 ÷ 24 = 33.3̇

so she needs to buy _34_ packs

....................34.................... packs of rolls

4 marks

She needs to order the sausages.

$\frac{1}{10}$ of the number of sausages need to be vegetarian.

b How many vegetarian sausages will she order?

Show your working out.

Needs 800 sausages

$\frac{1}{10}$ of 800 = 800 ÷ 10 = 80
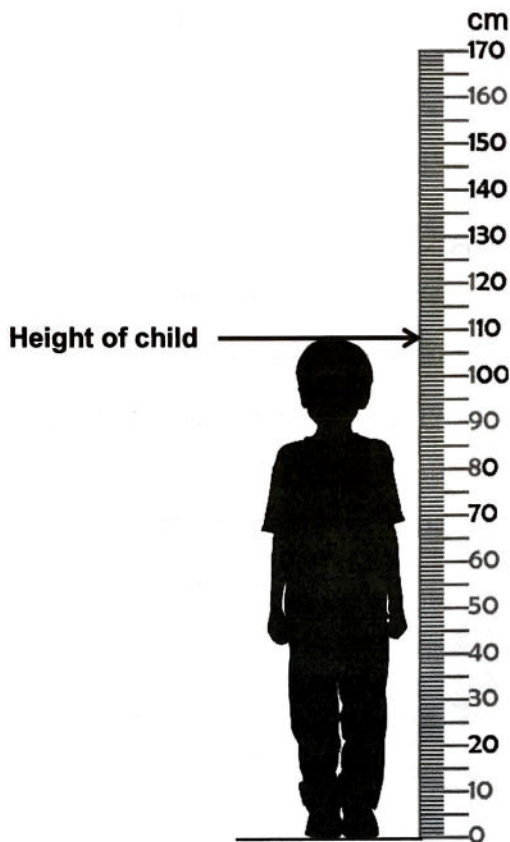
.................80.................. vegetarian sausages

2 marks

Q9 A family sees a poster for a Fun Fair.

It says children have to be **over 102cm** tall to go on the rides.
They need to check their child's height before they go to the Fun Fair.

Height of child

cm
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0

Can the child go on the rides? **Give a reason for your answer.**
Use numbers to help you explain.

Space for working.

(Yes)/ No ....

Reason
The child's height is 108 cm, so they
are taller than 102 cm.

2 marks

Q10 A dance school holds a Dance Display every year.
Last year they made £650 from the ticket sales.

This year they sold 97 tickets at £5.75 each.

The organiser thinks they made **more money** this year than they did last year from the ticket sales.

a

> Is the organiser correct? **Give a reason for your answer.**
> **Use numbers to explain.**

Show your working.

Yes /(No)................

$97 \times £5.75 = £557.75$

The organiser is not correct, they have made £557.75 this year, which is less than the amount they made last year (£650).

2 marks

b

> Use approximation to check one of your answers.

Show your check here.

Approx. for money made this year:

$100 \times £6 = £600$, which is less than £650.

1 mark

Total marks: 30

End of calculator paper.