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 2 Sample Assessment

City & Guilds

www.cityandguilds.com
March 2020
Version 1.2

Candidate's paper – Calculator allowed
Holidays

Time allowed – 65 minutes

Marks: 27

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 _____

Calculator paper
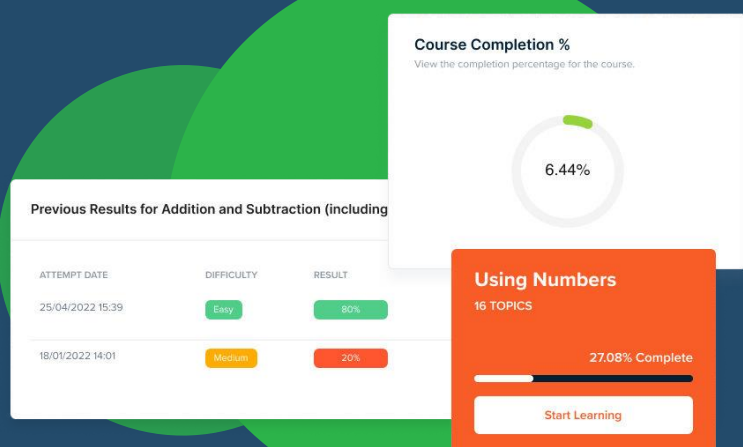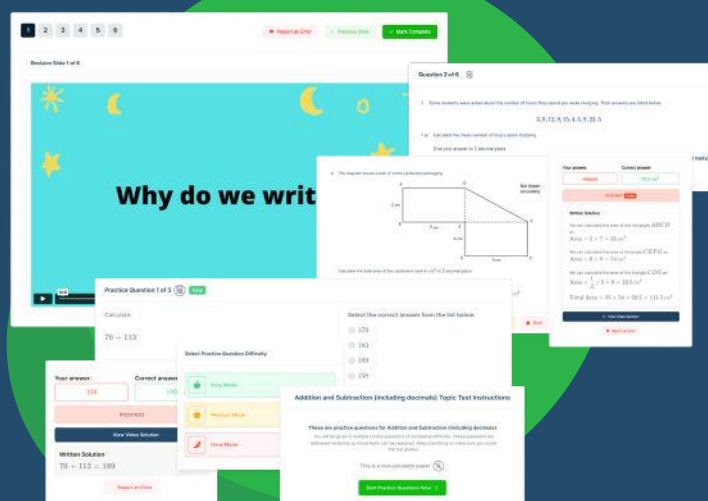
There are **27** marks available.

You may use a calculator.

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 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

Functional Skills Maths Level 2

- 35 Topic Count
- 105 Tests
- 43 Mock Exams

Enrol Now

Pick my own

- ✅ 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

Why do we writ

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
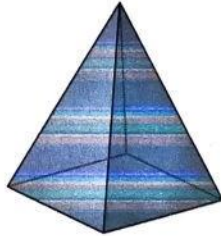
Or visit
passfunctionalskills.co.uk

Q1

How many hours are in one day?

1 mark

.... _24_ ....

Q2

How many edges does a square based pyramid have?

A.   4   ☐
B.   5   ☐
C.   6   ☐
D.   8   ✓

1 mark

Q3

What fraction of the rectangle is coloured in grey?

1 mark

$\frac{1}{10}$.

Q4 The weather forecast for the **UK** next week is **21 °C** every day.
Here is the weather forecast for Spain next week.

Weather forecast for Spain						
Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**	**Saturday**	**Sunday**
23°C	22°C	19°C	20°C	24°C	26°C	25°C
☑	☑	☐	☐	☑	☑	☑

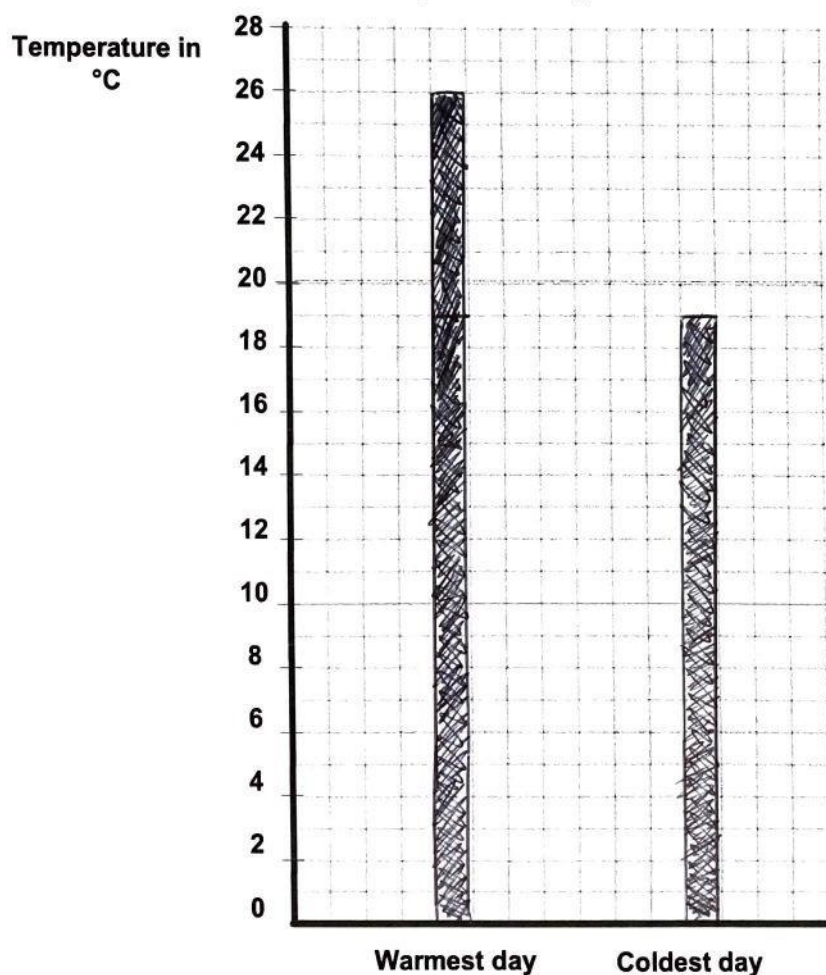**a** Which days will be warmer in Spain than in the UK?
Tick all those days.

2 marks

b A travel agent needs a chart to show the temperatures of the warmest day
and coldest day in Spain next week.
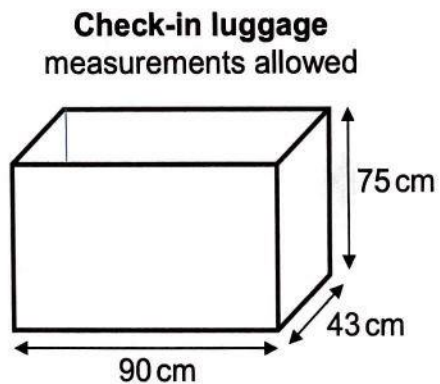
Draw **two** bars to finish the bar chart.

4 marks

Temperature in Spain next week

Temperature in °C

Warmest day   Coldest day

Q5 This diagram shows the maximum measurements for hand luggage that you are allowed to check-in on a plane.

It is a box, shaped like a cuboid, with sides and a base, but no top.

Check-in luggage
measurements allowed

75 cm

43 cm

90 cm

a What shape is the base of the box?

Rectangle ....

1 mark

b What is the length of the **largest** side?
Give units with your answer.

.... _90cm._ ....

1 mark

Q6 A man wants a new case to take on the plane.

The case is in the sale.
In the sale, all cases are half the price shown.

£36

a

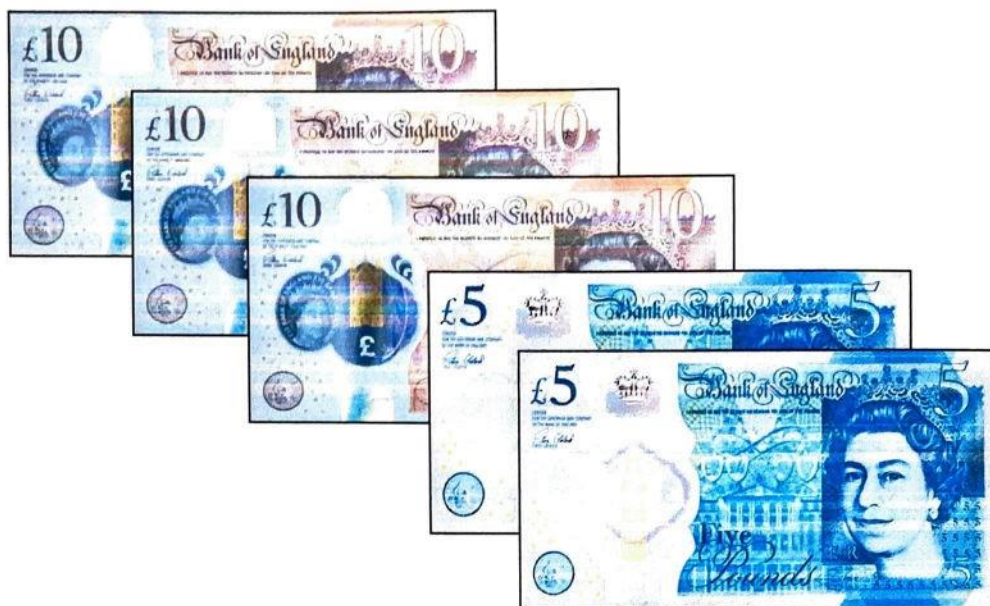What is the price of the case in the sale?

Show your working out.

$$\frac{£36}{2} = £18.$$

Sale price £ .... *18* ....   **2 marks**

The man only has these notes.

b How much money does he have altogether?

Show your working out.

$(£10 × 3) + (£5 × 2) = £30 + £10$

$= £40$

Amount of money £ 40 **2 marks**

c The man buys a bag and a wallet instead.
This bag costs £24 and the wallet costs £7.

How much money will he have left? **Give units with your answer.**

Show your working out.

$£24 + £7 = £31.$

$£40 - £31 = £9$

Money left £9. **3 marks**
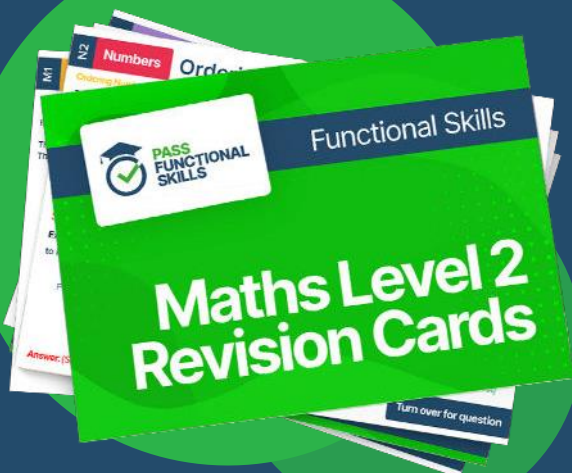
**Functional Skills Maths
Level 2 Practice Papers**

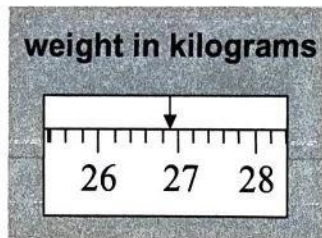**Functional Skills Maths
Level 2 Revision Cards**

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

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

Or visit
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Q7 A passenger checks the weight of her suitcase.

weight in kilograms

26 27 28

This table shows how much it costs to take a suitcase on a plane.

Weight of suitcase	Cost
less than 10 kg	£5
10 kg to 20 kg	£15
over 20 kg to 30 kg	£25
over 30 kg	£35

a How much does the passenger's suitcase weigh to the nearest kilogram?

.... 27 .... **kg**   **1 mark**

b How much will it cost to take the suitcase on the plane?

Cost £ .... 25 . ...   **1 mark**

c Give a reason for your answer.

27kg is between 20kg and 30kg.

1 mark

Q8 A passenger's flight leaves at **twelve o'clock**.
He checks his watch.

a Has his plane left?

.... No ....
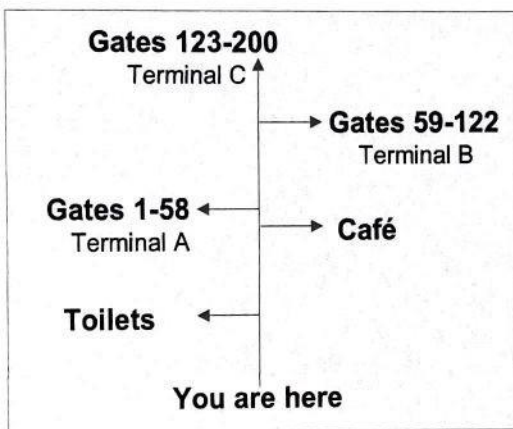
Write down how you got your answer.

The watch shows 11:45, which is before 12:00.

1 mark

His flight leaves from Gate 105. This sign shows the Gates at the airport.

Gates 123-200
Terminal C

Gates 59-122
Terminal B

Gates 1-58
Terminal A

Café

Toilets

You are here

b In which terminal is **Gate 105**?

Terminal.......... B: ....   **1 mark**

c Write down how to get to **Gate 105**.

Head straight forward. Terminal B is the right - hand turn after the café.

1 mark

Q9 A customer wants to know the cost to fly to Glasgow.
She finds these ticket prices on an airline's website.

Ticket prices	
8am flight	£86
2pm flight	£95
10pm flight	£89
Suitcase	
£56	
Extras	
Choose seat, Board first, One extra bag All £12 **each**	

The customer wants the **cheapest** priced ticket. She wants to take a suitcase, choose her seat, board first and take an extra bag.

a   How much will the customer pay?

Show your working out.

£86 + £56 + £12 + £12 + £12 = £178

Amount to pay £ ___£178___   **2 marks**

The woman thinks it is cheaper to travel by train. She finds these prices

Train prices to:	
Dundee	**£198**
Edinburgh	**£192**
Glasgow	**£168**

b   Is the woman correct?
Use numbers to explain your answer.

Yes, it is cheaper, as £168 is less than £178   **1 mark**

Total marks: 27

End of calculator paper.

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