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Functional Skills Mathematics (4748)

Entry 3 Sample Assessment



www.cityandguilds.com
March 2020
Version 1.3

Candidate's paper – Calculator allowed
At the Airport

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

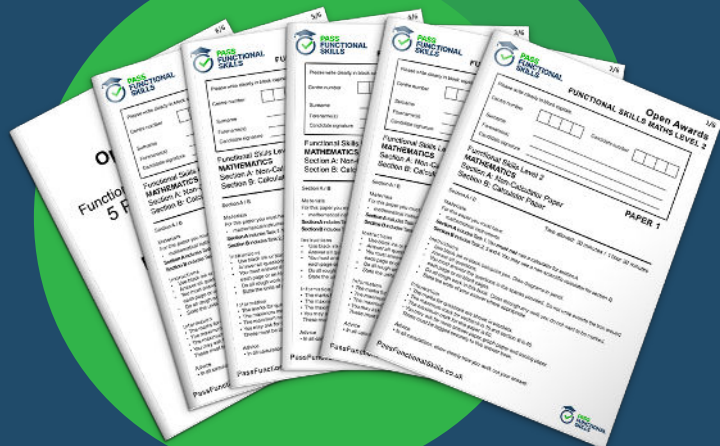
- Read each question carefully.
- Answer **all** the questions.

Candidate's declaration:

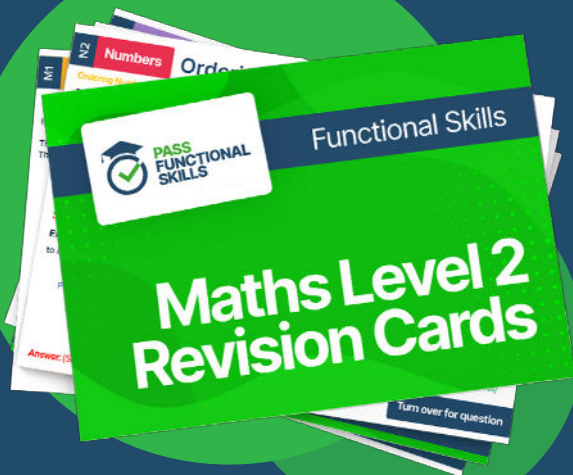
I confirm that this assessment is my own work.

Candidate's signature _____

Date _____



Functional Skills 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

Q1 What is **£967.39** rounded to the nearest 10p?

£967.40

1 mark

Q2 What could a person use to measure their waist?

Tape Measure

1 mark

Q3 What is the next number in this sequence?

38 57 76 95

1 mark

- Q4** A man wants to go on holiday to Spain.
He sees these holiday prices.
He wants the cheapest holiday.

SUNSHINE HOLIDAYS

<p>SPAIN</p>  <p>£562</p>	 <p>Come to Spain £397</p>	 <p>Spain Sun, Sea and sand £522</p>	 <p>Only £499</p>
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He uses these vouchers to pay towards the cost of the holiday.



How much money does he need to pay?

Show your working out

$$\begin{aligned}
 \text{cheapest} &= £397 \\
 \text{Vouchers} &= 25 + 25 + 10 + 25 + 10 + 10 = £105 \\
 £397 - £105 &= £292
 \end{aligned}$$

£²⁹²..... money to pay

3 marks

- Q5** The man wants to know if it is cheaper to go to the airport by train or by car.

A return train ticket to the airport is £69

There is $\frac{1}{3}$ off the price when the ticket is bought in advance.

a

What will the price of the ticket be if he buys it in advance?

Show your working out

$$69 \div 3 = 23$$

$$69 - 23 = 46$$

£ 46

3 marks

It is 78 miles **to and from** the airport.
The man's car costs 32p per mile to run.

b

What is the cost to drive to and from the airport?
Give units with your answer.

Show your working out

$$78 \times 0.32 = 24.96$$

Cost £24.96

2 marks

The man says if he goes by car he will pay to park his car in **Car Park 5**.

The car park costs are shown in this table.

Car Park charges for 7 days		
Car Park	Time to airport	Cost
1	1 minute walk	£54.53
2 & 3	1 - 3 minute walk	£48.97
4	3 - 5 minute walk	£44.43
5	5 - 10 minute walk	£38.87
6 & 7	5 - 10 minute bus ride	£21.20

The man wants to drive to and from the airport and park his car for a week.

c

What will the cost be?

Show your working out

$$£24.96 + £38.87 = £63.83$$

Cost £ 63.83

2 marks

Compare the costs of the two ways to travel.

d

Which is cheaper?
Tick one.

Train



Car



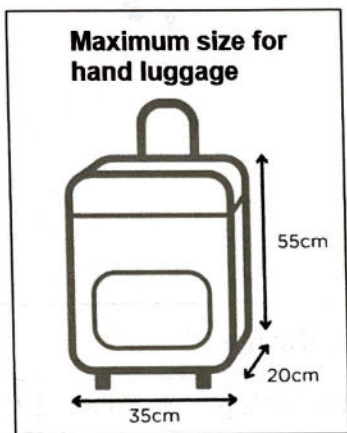
1 mark

Q6 A holidaymaker wants to take hand luggage on a plane.

Her bag is 32cm wide and 18 cm deep.
She measures the height of her bag.



She checks the size of hand luggage.
She finds this information.



a

Can she take her bag on the plane?
Explain your answer using measurements.

☒ Yes ☐ No

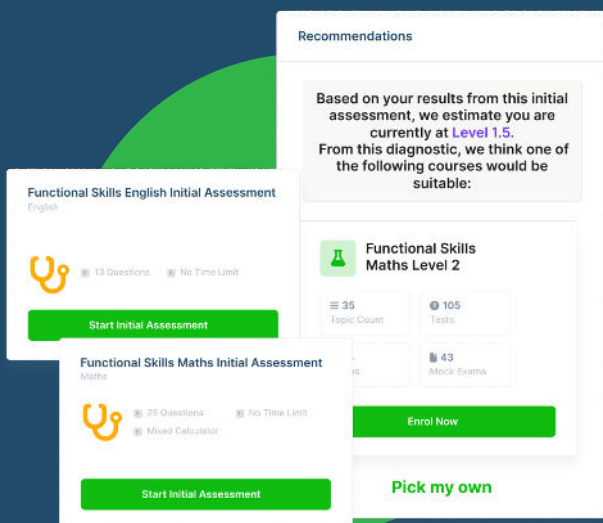
Reason

The height (48 cm), width (32 cm)
and depth (18 cm) are all within
the limit.

2 marks

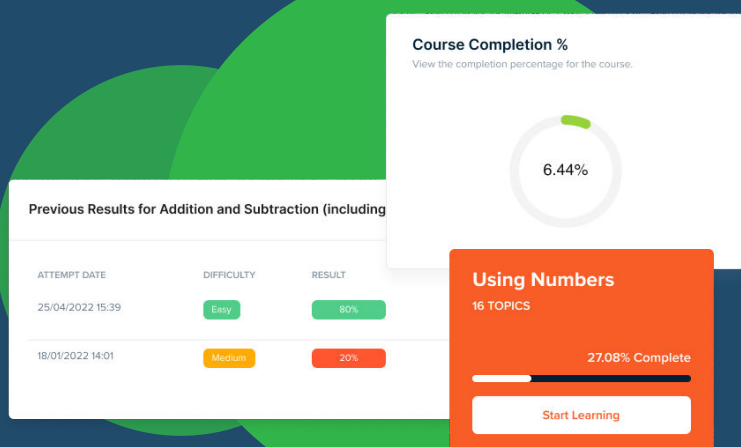
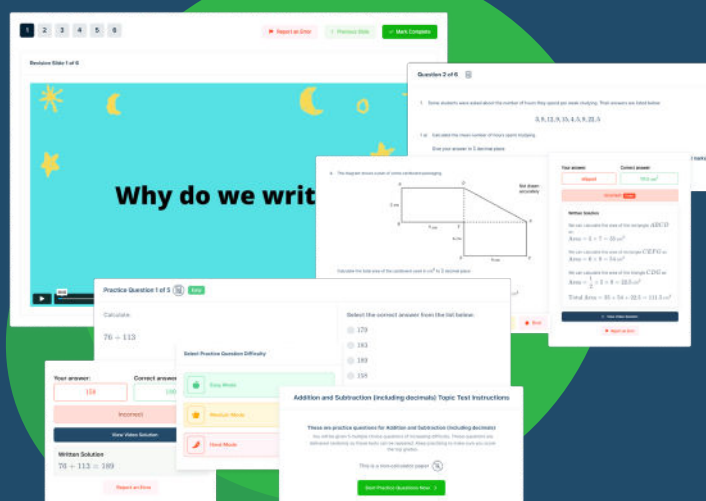


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She wants to send her suitcase with a luggage company.
She weighs her suitcase.



Luggage Company Charges			
Weight	Up to 24kg	Up to 30kg	Over 30kg
Price	£32.00	£35.00	£35.00 + £2.20 per additional kg

- b What will the luggage company charge?

Show your working

$$31 \text{ kg} = £35 + £2.20 = £37.20$$

£37.20

2 marks

- Q7** A woman goes to the airport in the morning to collect her friend.
The clock shows when the plane was due to land.

The plane is delayed by 3 hours and 10 minutes.



What time is the plane due?

Show your working out

Due : 10:05 am

Delay : $10:05 + 3 \text{ hrs } 10 = 13:15$
 $= 1:15 \text{ pm}$

2 marks

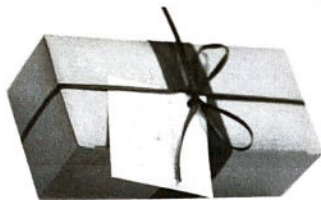
- Q8** The airport has a duty free shop.
An assistant in the shop has been asked to arrange items on display.
She puts the biscuit boxes in order of weight.



A 1kg



B 150g



C 396g



D 850g

a

Which order should the biscuits be on the shelf?
Start with the smallest weight.

B C D A

1 mark

The shop sells bottles of water in the following sizes.

500ml, 1 litre, 330ml and 750ml

A customer wants the bottle which holds the most water.

b

What size bottle should she choose?

1 litre

1 mark

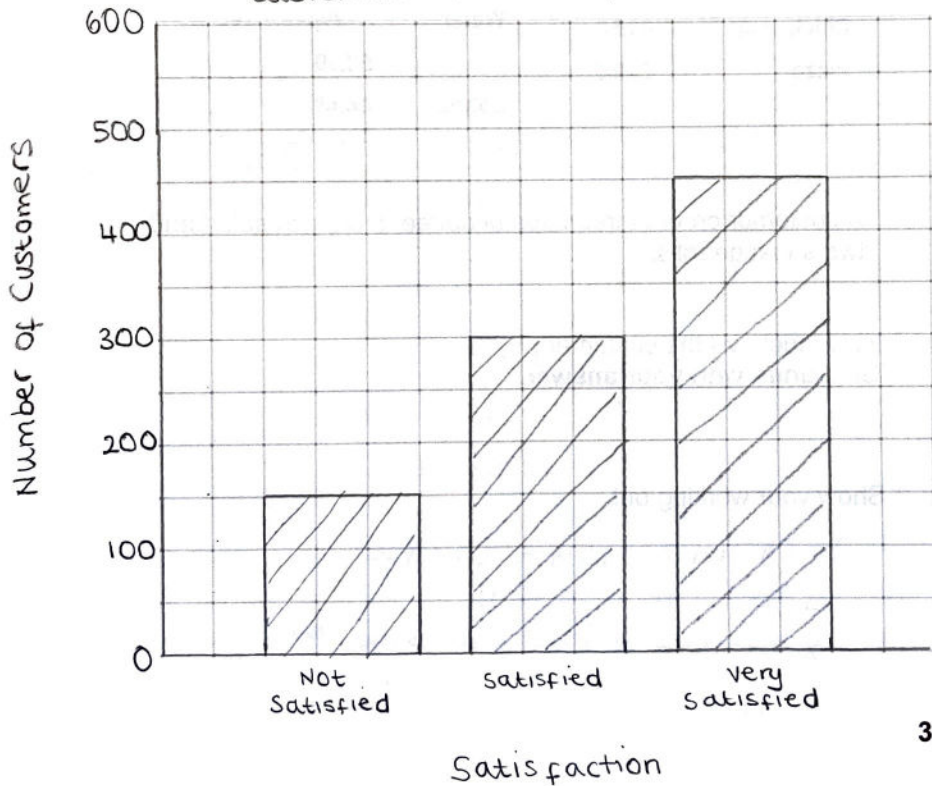
- Q9** The sales manager needs to draw a bar chart to show how satisfied customers are with the service at the airport

Satisfaction	Number of customers
Not satisfied	150
Satisfied	300
Very satisfied	450

Draw a bar chart to show this information.

Put labels on your graph.

Bar chart Showing Satisfaction of customers at an airport.



3 marks

- Q10** The airport has a café.
Here is the menu.

The Airport Café	
Starters Cheese salad £4.55 Soup and roll £3.25 Chips £1.25	Snacks Sausage roll £1.90 Crisps 69p Apple 56p
Mains Chicken pie £3.50 Pizza £4.75	Drinks Water 99p Tea £3.60 Coffee £4.49

A customer orders three cups of coffee, a cheese salad and two sausage rolls.

- a** How much will the customer pay?
Give units with your answer.

Show your working out

$$\begin{aligned}
 3 \times £4.49 &= £13.47 \text{ (coffee)} \\
 £4.55 &\text{ (cheese salad)} \\
 2 \times £1.90 &= £3.80 \text{ (sausage roll)} \\
 \text{Total} &= £21.82
 \end{aligned}$$

The customer will pay £21.82

3 marks

b

Use approximation to check your answer.

Write your check here

~~3 x £5~~ $3 \times £4 = £12$ (coffee)

£5 (cheese salad)

$2 \times £2 = £4$ (sausage rolls)

Total = $£12 + £5 + £4 = £21$

1 mark

The customer is given this ticket.



She will collect her food when her order number is called.

The café is currently serving order 949.

c

How many orders will they serve before the customer's food is ready?

Show your working out

$964 - 949 = 15$

15 orders

1 mark

Total marks: 30

End of calculator paper