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# Functional Skills Model Solutions

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# Functional Skills Mathematics (4748)

## Entry 2 Sample Assessment



www.cityandguilds.com  
March 2020  
Version 1.0

**Candidate's paper – Calculator allowed**  
Working in a Charity Shop

**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

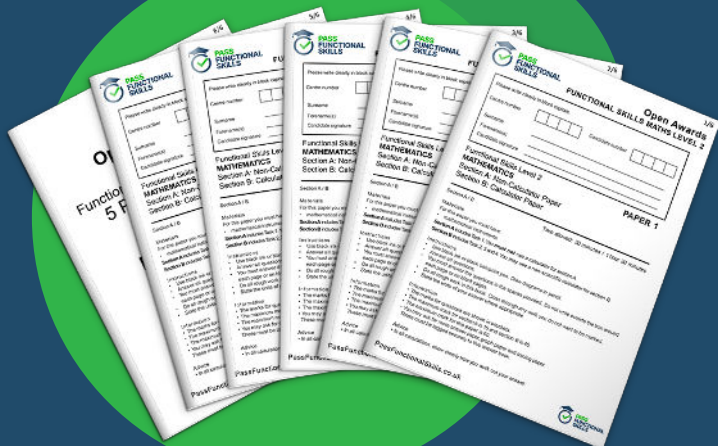
There are **27** marks available.

You may use a calculator.

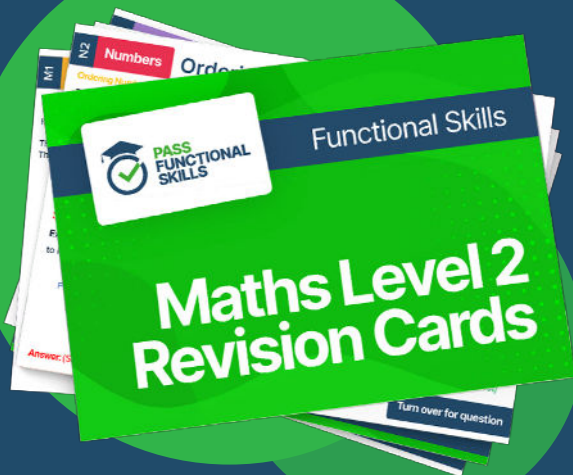




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Q1

62	−	39	=	23
----	---	----	---	----

Round the numbers to the nearest 10 to check the answer is about right.

60	−	40	=	20
----	---	----	---	----

1 mark

Q2

	Monday	Tuesday	Wednesday	Thursday
Temperature	15°C	19°C	10°C	14°C

Which day has the coldest temperature?

..... 10°C - Wednesday .....

1 mark

Q3

How many sides does a pentagon have?

..... 5 .....

1 mark



- Q4** A man applies for a job in a charity shop.  
He gets a letter asking him to attend an interview.

The interview will start at half past two in the afternoon.

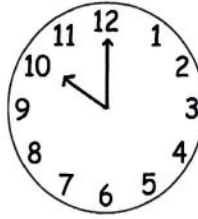
- a** Which one of these clocks shows the time the interview will start?  
Tick one.



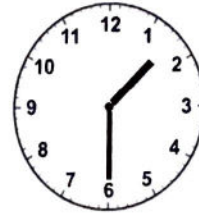
**A**  
☒



**B**  
☐



**C**  
☐



**D**  
☐

**1 mark**

He needs to catch a bus to arrive in good time for the interview.  
He looks at the different bus numbers and their arrival times.



**17:00**



**14:00**



**16:00**



**15:00**

- b** What number bus should he get? Give a reason for your answer.

Bus number...63.....

Reason

It is the only bus arriving  
before 2:30pm.

**3 marks**

A woman will walk to the charity shop for her interview.

She checks the routes on the website. The website shows these four different routes.

She wants to take the shortest route.

c

Tick the route she will take.

- |         |           |                                     |
|---------|-----------|-------------------------------------|
| Route A | 1.3 miles | <input type="checkbox"/>            |
| Route B | 1.7 miles | <input type="checkbox"/>            |
| Route C | 1.2 miles | <input checked="" type="checkbox"/> |
| Route D | 1.5 miles | <input type="checkbox"/>            |

1 mark

Q5 A customer wants to buy these items from the charity shop.



£9



£13



£10

a

What amount of money must the customer pay?  
Give units with your answer.

Show your working out.

$£9 + £13 + £10 = £32$

Amount of money to pay... £32.....

2 marks

The customer has this money to pay for the items.



The shop assistant gives him this money in change.



b

Did the shop assistant give the customer the correct change?  
Use numbers to explain your answer.

Yes/No No .....

Reason

This is £9 change, the customer needs £8 change.

**2 marks**



- Q6** The manager shows the shop assistant how to use the till.

There is £25 in the till at the **start of the day**.

At the **end of the day** there is £98 in the till.



They want to know how much money was made from the sales.

The manager tells the shop assistant to **subtract** the money in the till at the start of the day **from** the money in the till at the end of the day.

What amount of money was made from sales?

Show your working out.

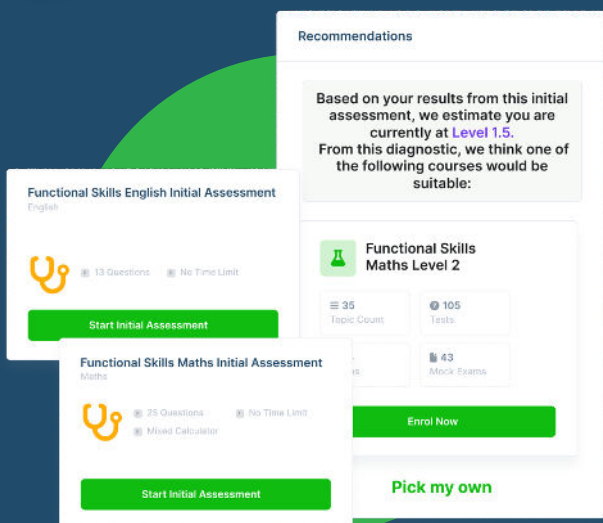
$$£98 - £25 = £73$$

£ .....73.....

**2 marks**

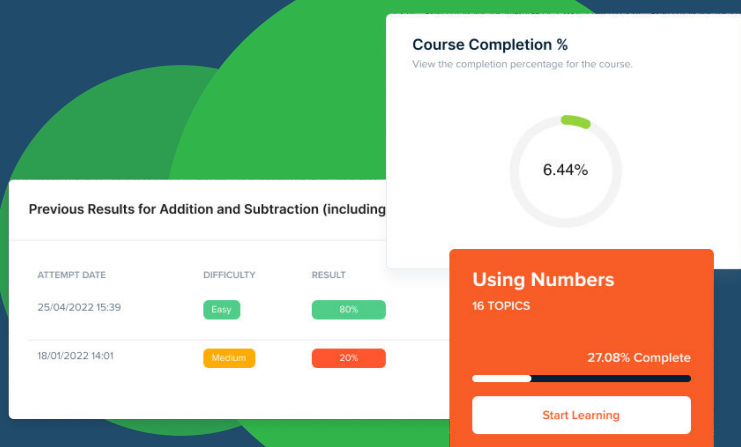
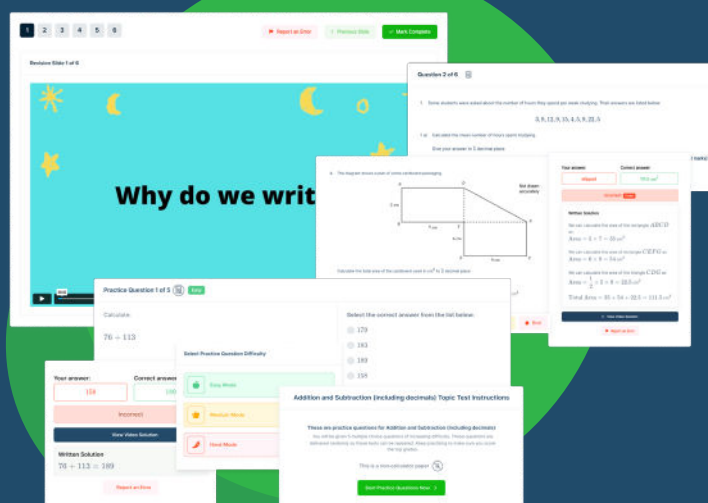


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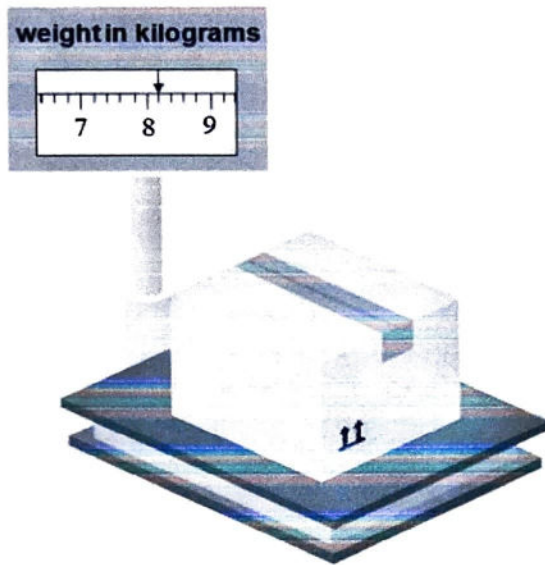
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- Q7** Some of the donated clothes are too old to sell and are put in a box for recycling. One of the jobs in the charity shop is to weigh these boxes.

The boxes are sent to be recycled when the box of clothes weighs **more than 8kg**.

The manager asks the shop assistant to weigh the box of clothes.



- a** What weight does the shop assistant tell the manager?

.....8.2.....kg

**1 mark**

The manager wants to know how much the shop will be paid for this box of clothes.

Money for recycled clothes	
Clothes weight kg	Money the shop gets
Less than 8kg	£2
8kg – 10kg	£6
More than 10kg	£7

- b** What amount of money should the shop get?

£ .....6.....

**2 marks**

The next day there are 8 boxes to send for recycling.  
They each weigh more than 10 kg.

c      What amount of money should the shop get?

£.....56.....

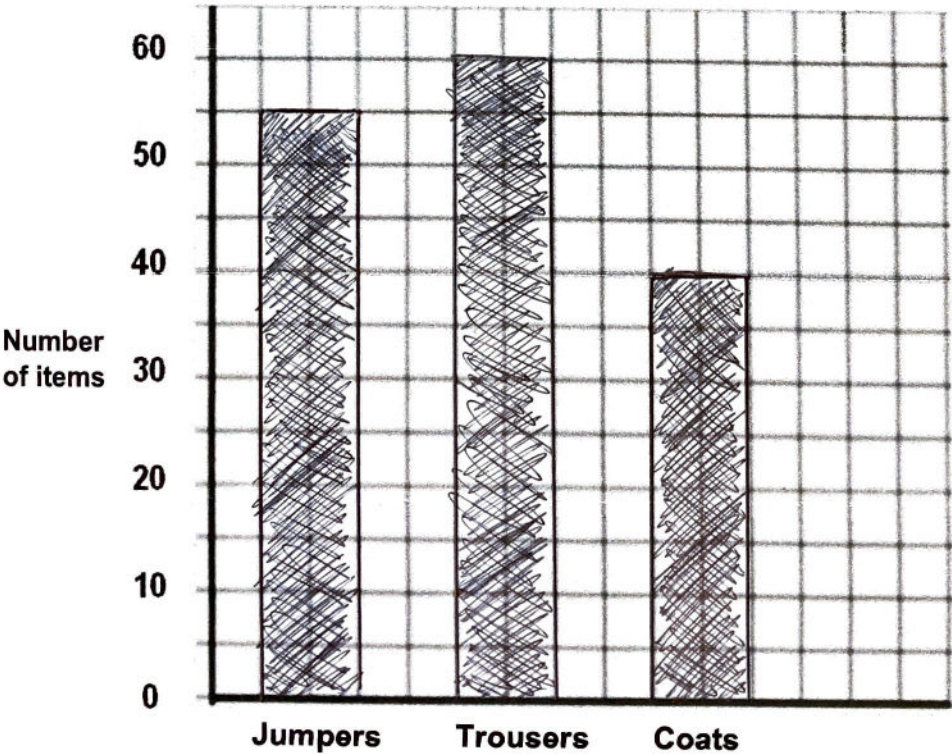
1 mark

Q8      The manager needs a chart to show the most popular items sold in the shop last week.  
  
She made a list of the numbers of the most popular items sold last week.

Jumpers	55
Trousers	60
Coats	40

a      Draw three bars to finish the bar chart.

Clothes sold last week.



4 marks



b

How many more jumpers than coats were sold?

Show your working out.

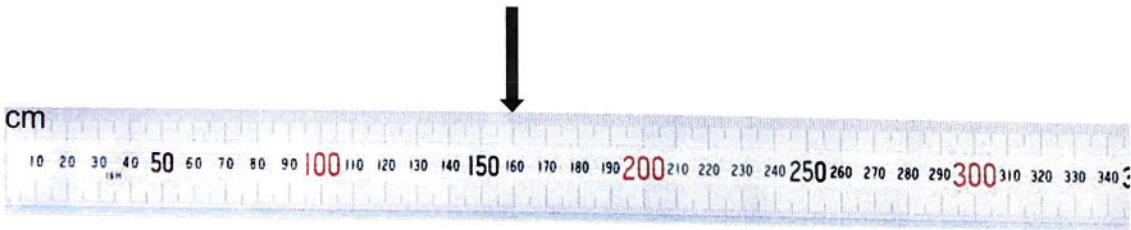
$55 - 40 = 15$

2 marks

Q9 The manager of the charity shop wants to put up a shelf.  
She has three shelves to choose from.

- Shelf A is 140cm
- Shelf B is 170cm
- Shelf C is 130cm

She asks the volunteer to measure the wall.  
The wall is this wide.



a

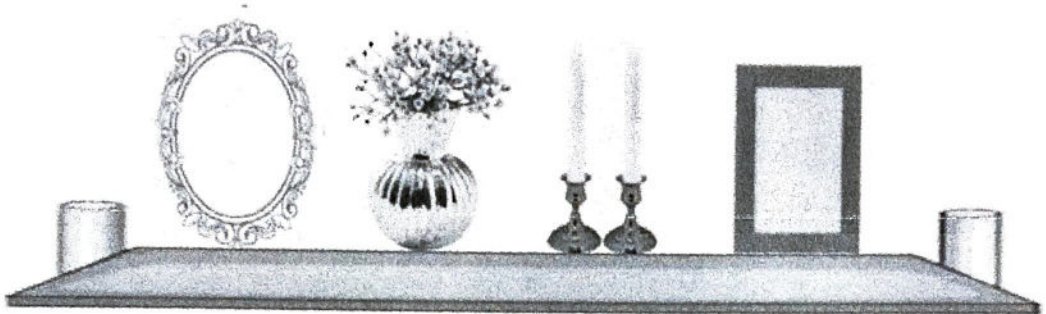
Which is the longest shelf that will fit on the wall?

Shelf.....A.....

2 marks

A customer wants to buy a vase.  
He asks a volunteer if they have a vase.

These items are displayed on a shelf.



The volunteer tells him where the vase is.

- b** Complete the sentence to show what the volunteer told the customer.

There is a vase on the shelf....to the left of... the candlesticks and the mirror.

**1 mark**

**Total marks: 27**

**End of calculator paper**

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