Functional Skills Mathematics (4748) Entry 2 Sample Assessment

Candidate's paper – Non-calculator
Information Technology

Time allowed – 25 minutes

Marks: 9

Name: _____

City & Guilds Enrolment Number: _____

Date of registration: _____
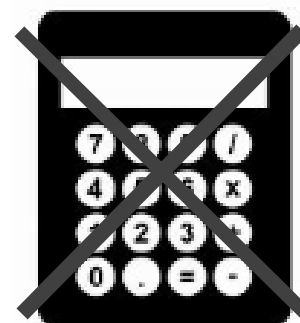
Date of assessment: _____

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

You may use a dictionary.

You must **not** use a calculator.

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

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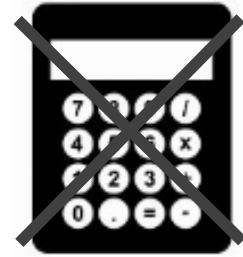I confirm that this assessment is my own work.

Candidate's signature _____

Date _____

Non-calculator paper

There are **9** marks available.

You must **not** use a calculator.
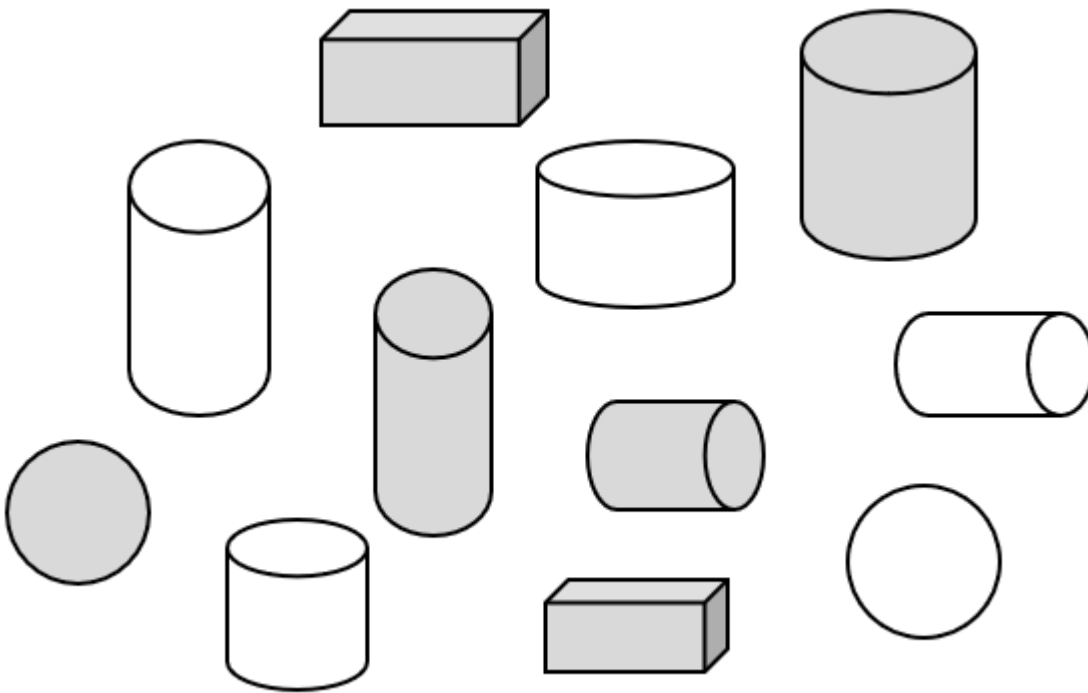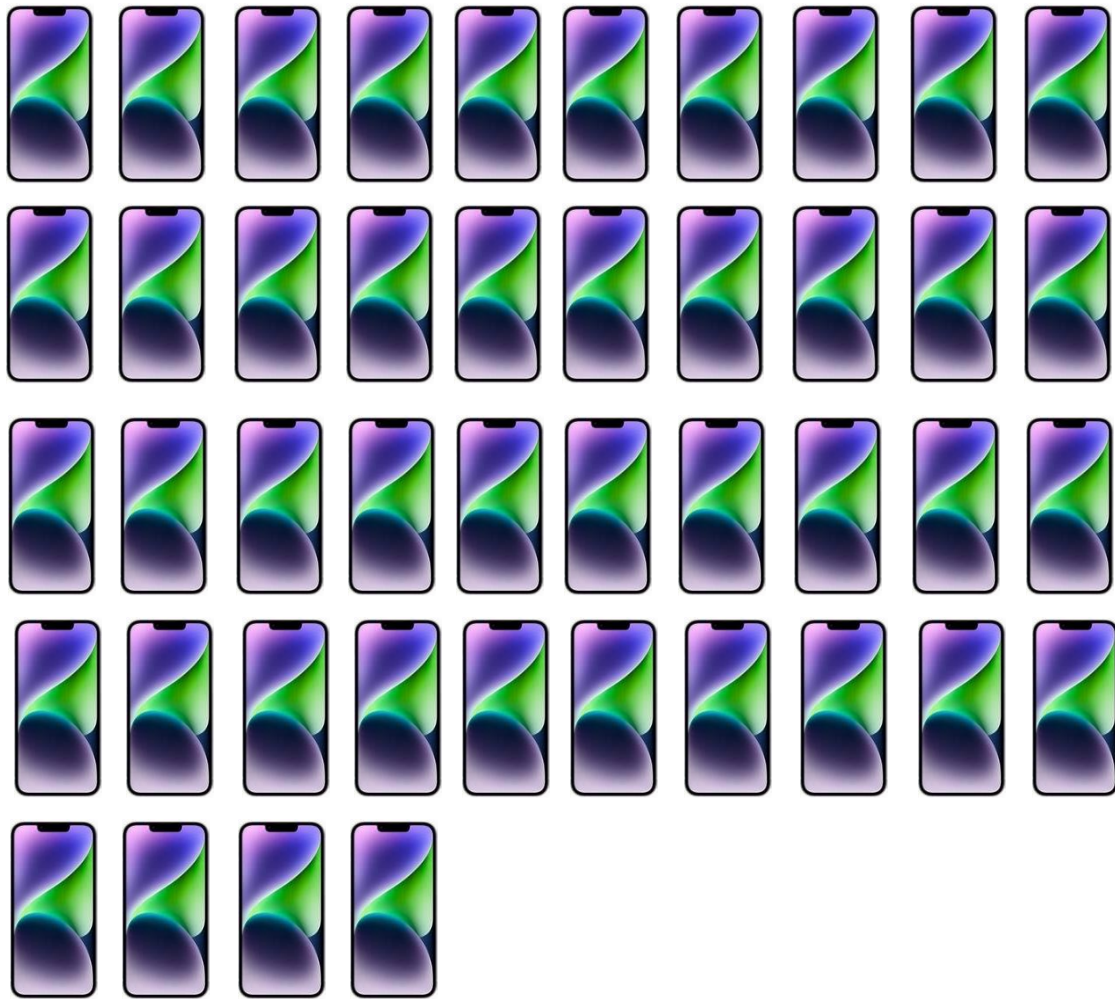
Q1 Work out **84 ÷ 3 =**

………………………………………………………………………… **1 mark**

Q2 Tick all the **white cylinders**.

1 mark

Q3   Count these phones.

How many phones are there?

……………………………………………phones   **1 mark**

Q4

Write one **hundred and twelve** in figures.

……………………………………………………….   **1 mark**

Q5

What is the **highest** star rating shown?

Star rating	★★	★★★★½	★★★½	★
	2.0	**4.5**	**3.5**	**1.0**

Star rating ………………………………………   **1 mark**

Q6

Write these distances in order. Start with the **longest**.

84km   128km   65km   167km

……………km   …………… km   …………… km   …………… km

1 mark

Q7   A woman uses an app to check the weather forecast in Paris for **next Wednesday**.

Weather forecast for Paris next week

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
21˚C	23˚C	24˚C	21˚C	19˚C	20˚C	21˚C

The weather forecast in Manchester for **the same day** is 19˚C.

How many degrees **warmer** will it be in Paris than in Manchester on that day?

.... ˚**C**   **1 mark**

Q8   A man wants to watch a TV programme called Missing.
He looks at an online TV Guide to check the start time.

	Start time		
	12:00	13:00	14:00
Channel 1	Bargain Search	Shopping	Country Living
Channel 2	Call the Doctor	Missing	River Trip
Channel 3	Film True Lives		Lucky Stars
Channel 4	Police Patrol	News Hour	Swimming

What time does this programme start?

Time…………………………………………………   **1 mark**

Q9 The owner of a social media site needs to work out the number of new posts over **the last three weeks.**

She does this calculation

$$59 + 82 + 41 = 182$$

Show how she used approximation to check her calculation.

Write your check here.

1 mark

Total marks: 9

End of non-calculator paper

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Functional Skills Mathematics (4748) Entry 2 Sample Assessment

Candidate's paper – Calculator allowed
Information Technology

Time allowed – 65 minutes

Marks: 27
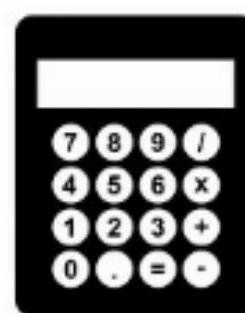
Name: _____

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.

Calculator paper
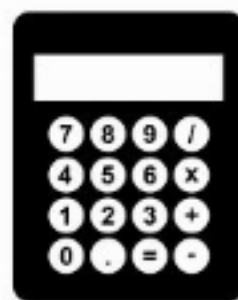
Q1 | What is 11 x 12 ? |

………………………………………………………… **1 mark**

Q2 | What number comes next in this list? |

72   74   76   78   ……

1 mark

Q3 | How many weeks are there in a year? |
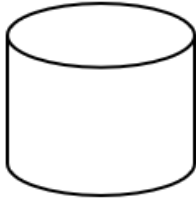
……………………………………………………weeks **1 mark**

Q4   A student needs to make a poster.
He wants to put a hexagon shape on the poster.

He uses his computer to look for the shape he needs.

He clicks on Shapes.
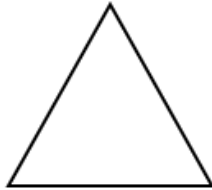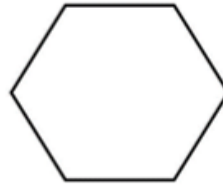
| A | B | C | D |

a   Which of these shapes should he choose?
Tick one.   **1 mark**

His tutor gives him this instruction to show where he must put the hexagon shape on his poster.

Put your shape here
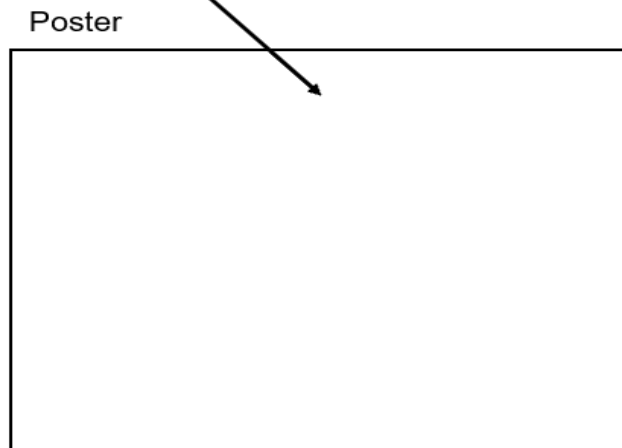
Poster

b   Describe the position where the student must put his shape on the poster.

....

....

1 mark

Another student chooses a pentagon shape for her poster.
She wants to put a picture in **each angle** of the shape.

c   How many pictures will she need?

....**pictures**   **1 mark**

She uses a text box to write a title for her poster.
She needs to check the **length** of the text box.
She uses the **ruler**.

cm

1 · | · 1 · | · 2 · | · 3 · | · 4 · | · 5 · | · 6 · | · 7 · | · 8 · | · 9 · | · 10 · | · 11 · | · 12 · | · 13 · | · 14 · | · 15 · | · 16 · | ·
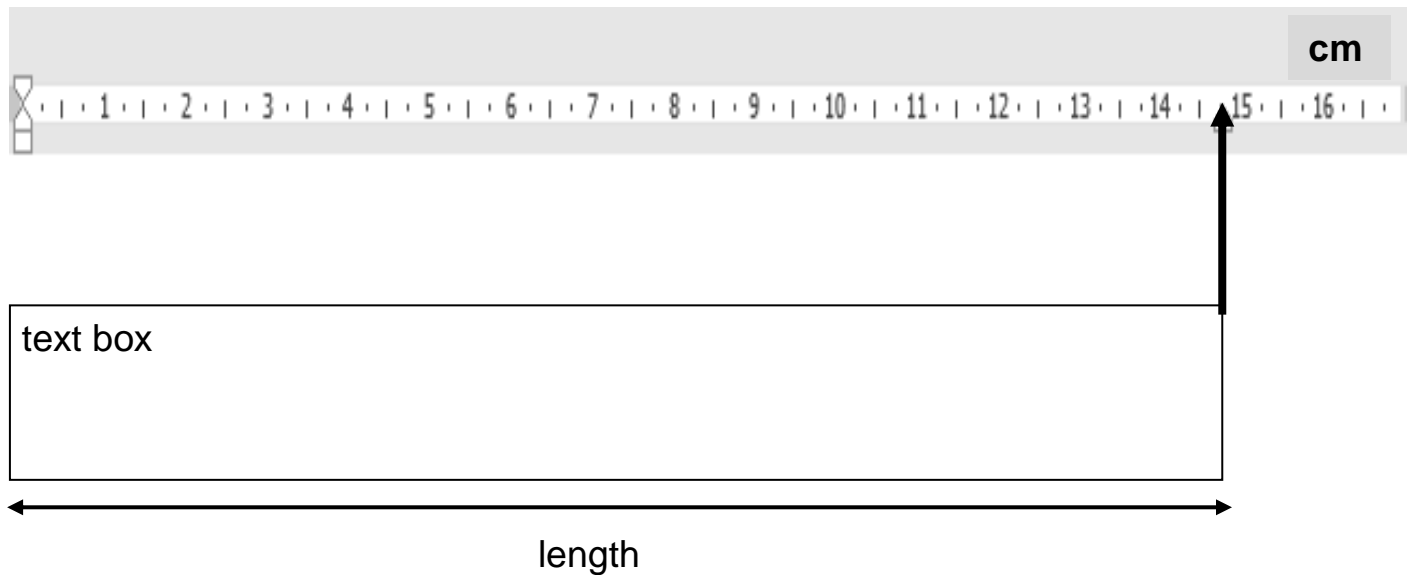
text box

length

d   What measurement is shown for the length of the text box?

....**cm**   **1 mark**

Q5   A trainee chef makes pancakes **for 2 people**.
He uses this recipe.

Pancake recipe

for 1 person

65g flour
90ml milk
1 egg
butter

He uses digital scales to weigh out the flour.

a   Write down the amount of flour he needs.
Give units with your answer.

Show your working out.

flour……………………

3 marks

Pancake recipe

for 1 person

65g flour
90ml milk
1 egg
butter

He uses a digital measuring jug to measure out the milk he needs **for 2 people.**

190 ml

b Did he measure out the correct amount of milk?
Give a reason for your answer. **Use numbers to help you.**

Space for working out.

Yes/No ....

Reason ....

....

....

2 marks

Q6 A woman belongs to a health club.

Her fitness instructor wants to know **how many minutes of exercise she did this week**.

She wears a fitness band on her arm.
It tracks the number of minutes of exercise she does each day.

This information is recorded on her phone.

fitness band
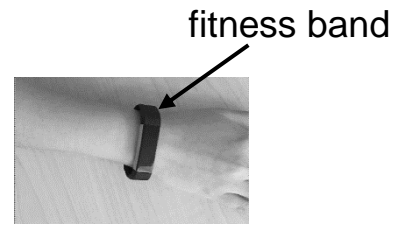
Day	Minutes
Monday	27
Tuesday	0
Wednesday	24
Thursday	32
Friday	14
Saturday	28
Sunday	25

a What will she tell her fitness instructor?

Space for working out.

I did …………………….. minutes of exercise this week.

1 mark

Last week she did 180 minutes of exercise.

She needs to make a bar chart to show her fitness instructor the number of minutes she did **last week** and the number of minutes she did **this week**.

b Draw two bars to finish the bar chart.

Exercise

Number of minutes

200	
190	
180	
170	
160	
150	
140	
130	
120	
110	
100	
90	
80	
70	
60	
50	
40	
30	
20	
10	
0	
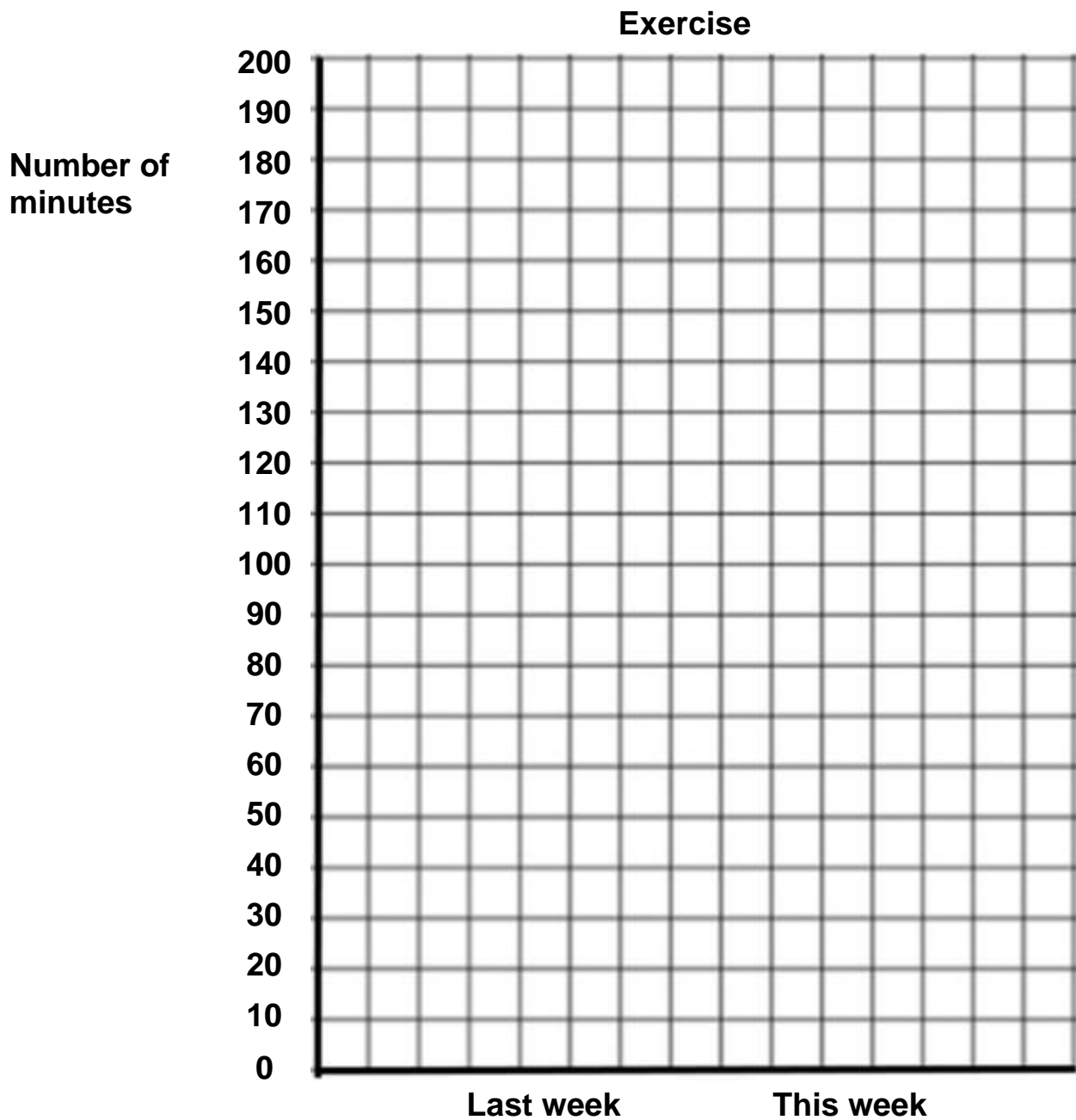
Last week   This week

3 marks

c Compare the number of minutes of exercise the woman did **last week** with the number of minutes she did **this week**?

....

....
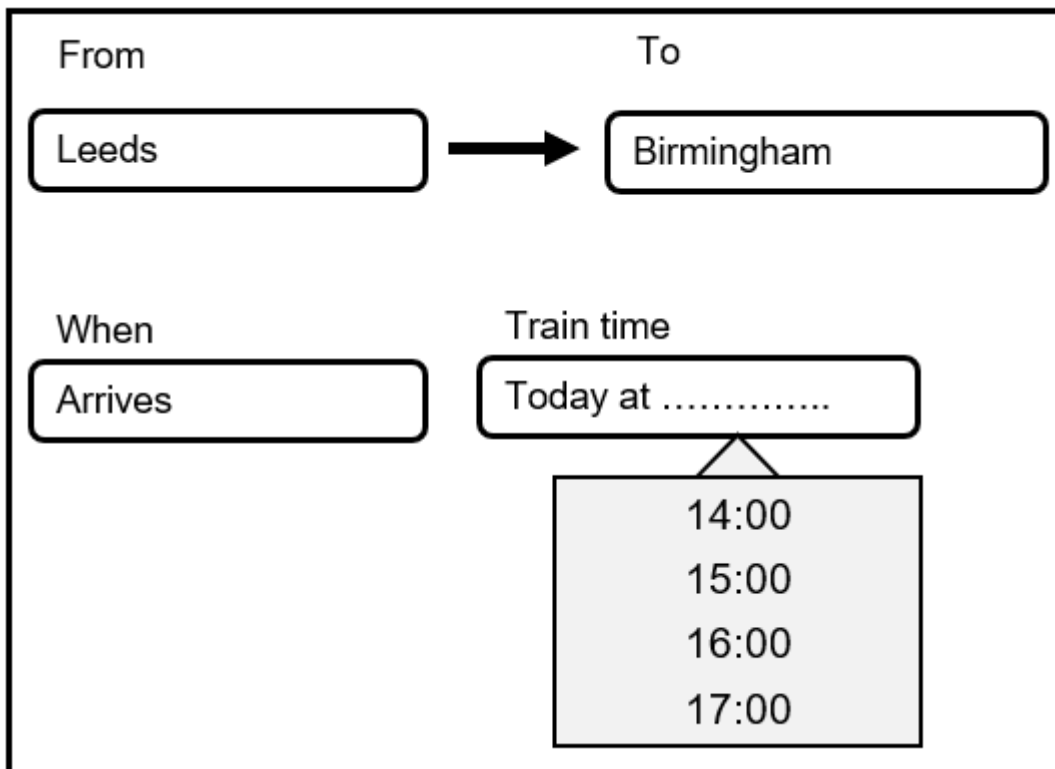
1 mark

Q7 A man plans to catch a train from Leeds that **arrives** in Birmingham at 4 o'clock in the afternoon.

He checks the train times on a journey planner website.

From		To
Leeds	➡	Birmingham

When	Train time
Arrives	Today at ....

14:00
15:00
16:00
17:00

a Which of the train times should he choose?

.... **1 mark**

The man wants to travel back to Leeds **on the same day**.

He wants to buy the best ticket or tickets for the journey from Leeds to Birmingham **and** back.

Ticket type	Leeds to Birmingham	Birmingham to Leeds
Single	£52	£55
Return the same day	£75	

b

> Which ticket type should he choose?
> Give a reason for your answer. **Use the ticket prices to help you.**
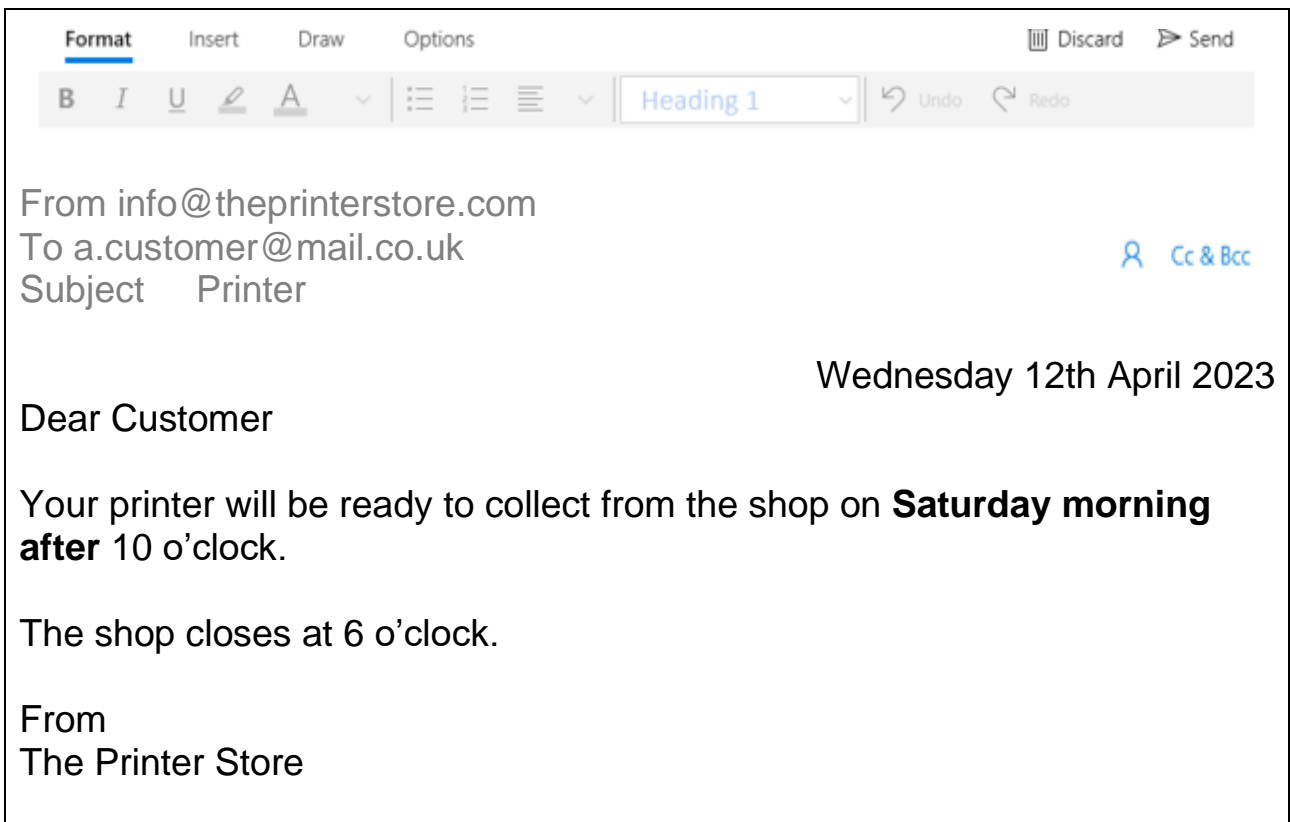
Space for working out.

Ticket type ……………………………………

Reason …………………………………………………………………………………

…………………………………………………………………………………………

…………………………………………………………………………………………

3 marks

Q8   A woman orders a printer from a website.
She will collect the printer from the shop.

She gets this email.

| Format | Insert | Draw | Options | | | | | | | 🗑 Discard | ➤ Send |

B *I* U ✎ A ⌄ | ☰ ☰ ☰ ⌄ | Heading 1 ⌄ | ↻ Undo ↺ Redo

From info@theprinterstore.com
To a.customer@mail.co.uk   👤 Cc & Bcc
Subject   Printer

                                                    Wednesday 12th April 2023

Dear Customer

Your printer will be ready to collect from the shop on **Saturday morning after** 10 o'clock.

The shop closes at 6 o'clock.

From
The Printer Store

a   Write down the date the printer is ready to collect.

date..   **1 mark**

b   Which of these clocks shows a time when the woman can collect the printer on Saturday?
Tick one.

A   B   C   D

1 mark

Q9   A man sees this advert on a social media site.

He looks on the website to find out more information.

The offer is to pay for the first week and get the
second week half price.

He sees a holiday he likes.
The cost for the **first week is £98**.

. | What will the cost of the holiday be for two weeks?
Give units with your answer.

Space for working

Cost of holiday……………………….

4 marks

Total marks: 27

End of calculator paper