Entry Level 3 Functional Skills Qualification in Mathematics - Part A

QUESTION PAPER

Learner name:	
Learner number:	
Centre number:	
Today's date:	
Learner's signature and date:	

Total marks available: **9**

Time limit: **30 minutes**

_____

For Part A you need:
- This question and answer paper
- A pen with black or blue ink
- A pencil
- A ruler

Do not open this paper until you are told to do so by the invigilator.

Instructions

1. Please sign and date above to confirm that your details are correct and that you have understood the instructions
2. Read each task and question carefully.
3. Remember to show all your workings out clearly.
4. The number of marks available for each question is shown in brackets. Use these marks to guide you on how long to spend on each question.
5. Answer **all** questions using the space provided on this question and answer paper.
6. If you have time, check your work for **Part A** at the end. Once you have handed in this question and answer paper, you will not be able to check this again.
7. If you use extra paper, write your name, learner number and the question number you are answering on it and securely attach it to this question and answer paper.

Page left intentionally blank

PART A - QUESTION AND ANSWER PAPER

NON-CALCULATOR – 30 MINUTES

For Part A you need:
- This question and answer paper
- A pen with black or blue ink
- A pencil
- A ruler

INTERNET ACCESS IS NOT PERMITTED AND YOU MUST NOT USE A CALCULATOR
_____

Question 1 (1 mark)

Complete the calculation.

$$\frac{6}{10} = \frac{}{5}$$

Write your answer in the box below.

Question 2 (1 mark)

Work out 235 + 412 + 107.

Question 3 (1 mark)

Complete the sequence of numbers below.

0.8	1.1	1.4			

Question 4 (3 marks)

Alex finishes work at 5pm. He is going to see a film at the cinema. The film starts at 7:30pm.

Alex takes:
- 30 minutes to get home
- 20 minutes to get ready
- 15 minutes to walk to Main Street Bus Stop
- 8 minutes to walk from the station to the cinema

Bus Timetable			
Bus Stop	**Bus 1**	**Bus 2**	**Bus 3**
Main Street	18:00	18:15	18:30
College Road	18:40	18:55	19:10
Station	19:00	19:15	19:30

Which bus should Alex catch?

Show your workings.

Question 5 (3 marks)

Jack is writing a handbook to give out to 10 people at work.

The handbook has 34 pages.

Everybody needs a copy of the handbook, **including Jack**.

How many pages in total will need to be printed?

Show your workings.

End of Part A

Page left intentionally blank

Page left intentionally blank

Entry Level 3 Functional Skills Qualification in Mathematics - Part B

QUESTION PAPER

Learner name:	
Learner number:	
Centre number:	
Today's date:	
Learner's signature and date:	

Total marks available: **27**

Time limit: **1 hour and 15 minutes**

_____

For Part B you will need:

- This question and answer paper
- A pen with black or blue ink
- A pencil and an eraser
- A ruler
- A non-scientific calculator

Do NOT access the Internet during the assessment.

Do not open this paper until you are told to do so by the invigilator.

Instructions

1. Please sign and date above to confirm that your details are correct and that you have understood the instructions
2. Read each task and question carefully.
3. Remember to show all your workings out clearly.
4. The number of marks available for each question is shown in brackets. Use these marks to guide you on how long to spend on each question.
5. Answer all questions using the space provided on this question and answer paper.
6. If you have time, check your work for Part A at the end. Once you have handed in this question and answer paper, you will not be able to check this again.
7. If you use extra paper, write your name, learner number and the question number you are answering on it and securely attach it to this question and answer paper.
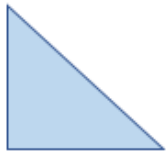
RFSME304 (B)

Question 6 (1 mark)

Write the number 511 in words.
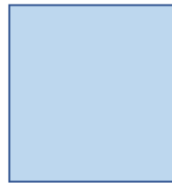
Question 7 (3 marks)

Sort these shapes into the table below.
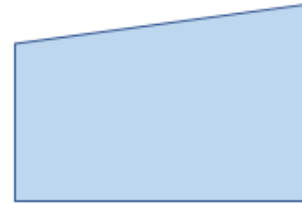
The first 2 have been completed for you.

	No Right Angles	One (or more) Right Angle(s)
No Symmetry		
One (or more) line(s) of symmetry	B	A

Question 8 (3 marks)

Robert wants know how far he drives and keeps a record over 4 days.

	Friday	Saturday	Sunday	Monday
Total Distance	157km	84km	145km	333km
Rounded distance				

He thinks he has driven over 800km

Round each number to the nearest hundred to check his calculation.

Using your rounded totals, do you think he is correct?

Question 9 (2 marks)

Lisa wants to be able to swim 50 laps of a swimming pool.

She continues increasing the number of laps at the same rate.

Day 1	Day 2	Day 3								
18	22	26								

How many days will it take her to reach her target?

Show how you decide.

Question 10 (3 marks)

This is a record of hours spent watching television over a month.

Monday	Tuesday	Wednesda	Thursday	Friday	Saturday	Sunday
1st Sept	2nd Sept	3rd Sept	4th Sept	5th Sept	6th Sept	7th Sept
2	1	3	0	5	3	5
8th Sept	9th Sept	10th Sept	11th Sept	12th Sept	13th Sept	14th Sept
3	0	4	1	2	4	4
15th Sept	16th Sept	17th Sept	18th Sept	19th Sept	20th Sept	21st Sept
1	1	5	2	3	5	3
22nd Sept	23rd Sept	24th Sept	25th Sept	26th Sept	27th Sept	28th Sept
0	2	1	3	1	2	5
29th Sept	30th Sept					
4	2					

Use this information to complete the frequency table.

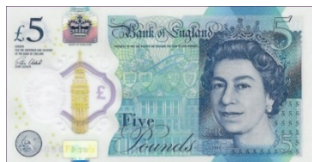| Hours watching television	Tally of total number of days	Frequency
0	III	3

Question 11 (3 marks)

Sarah goes to a restaurant for a meal. She orders steak and chips and a lemonade.

Food Menu	
Sandwich	£2.75
Pizza and Chips	£10.25
Steak and Chips	£13.75

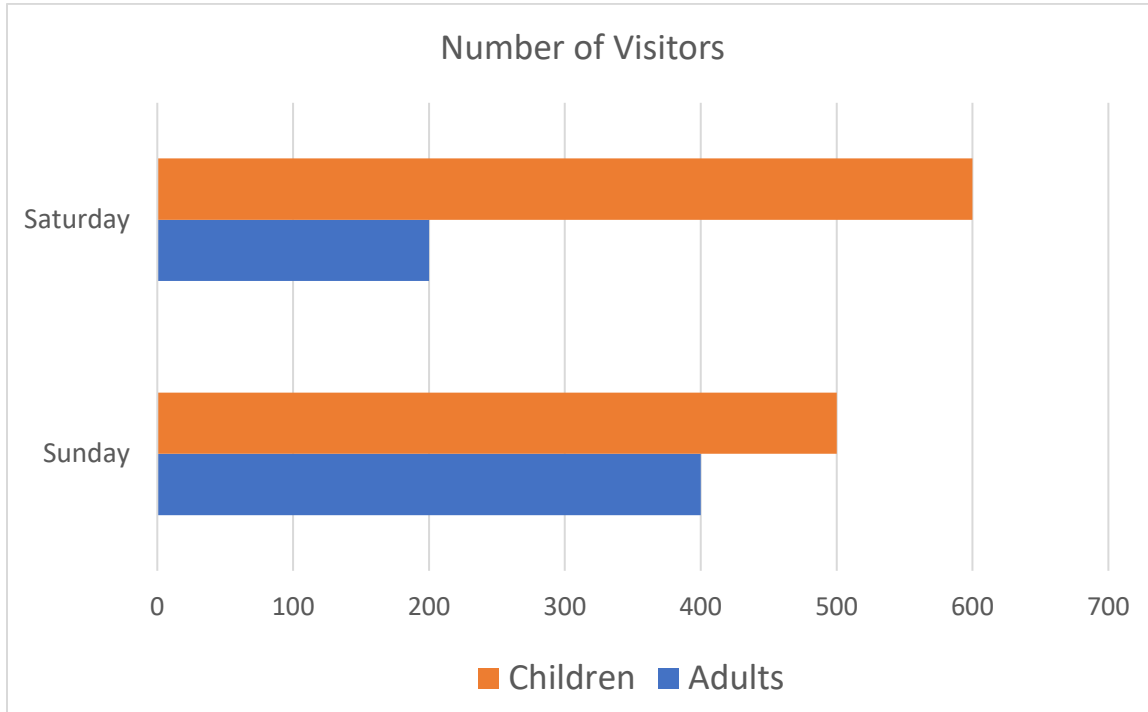| Drinks Menu	
Coke	£1.50
Lemonade	£1.30
Orange Juice	£2.50

These are the notes she has in her purse.

She only uses one note to pay. How much change will she receive?

Show your workings and use the correct money notation in your answer.

Question 12 (3 marks)

A theme park keeps a record of how many people visit one weekend.

Number of Visitors

The manager thinks more people visited on Saturday.
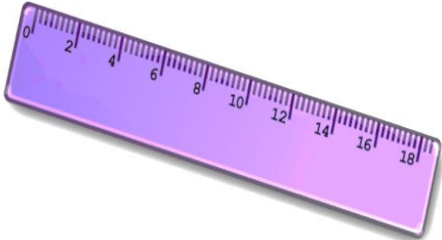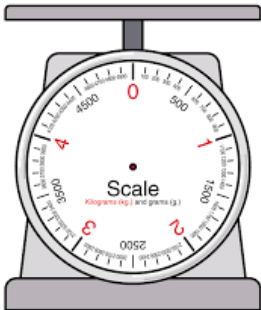
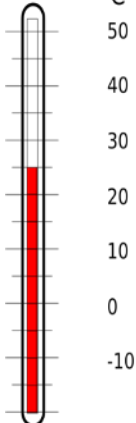Is he correct?

Show how you decide.

Question 13 (1 mark)

Before going to the theme park Claire needs to know how tall she is.

Which instrument should she use to measure her height?

Tick the correct answer.
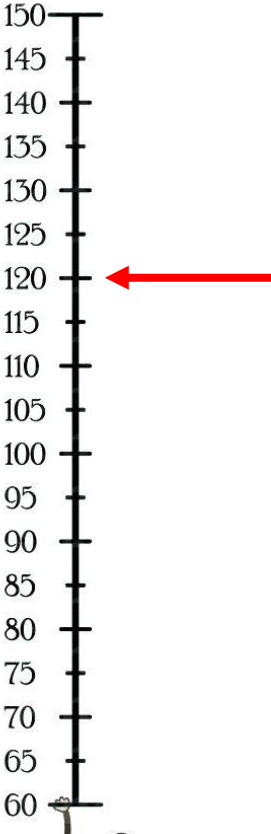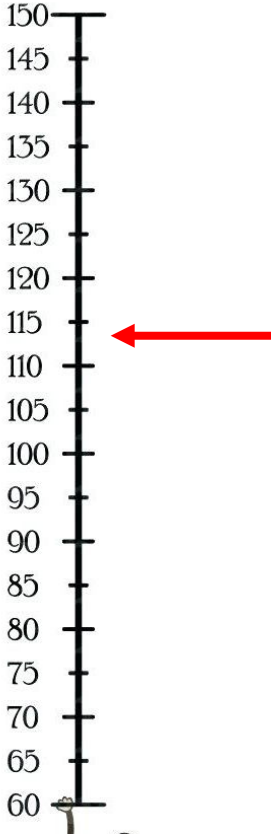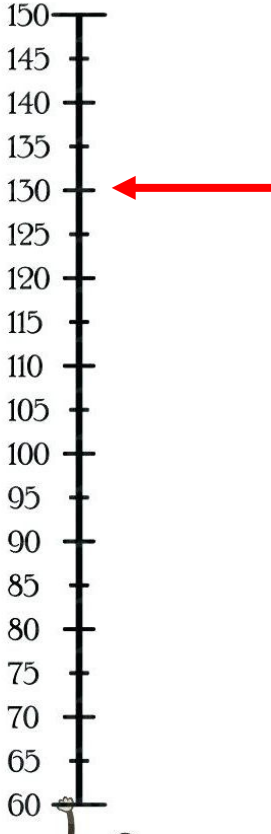
Question 14   (1 mark)

Below are the minimum height requirements in centimetres (cm) for three different rides at the theme park.

Claire is 1.18m tall.

Tick the ride she can go on.

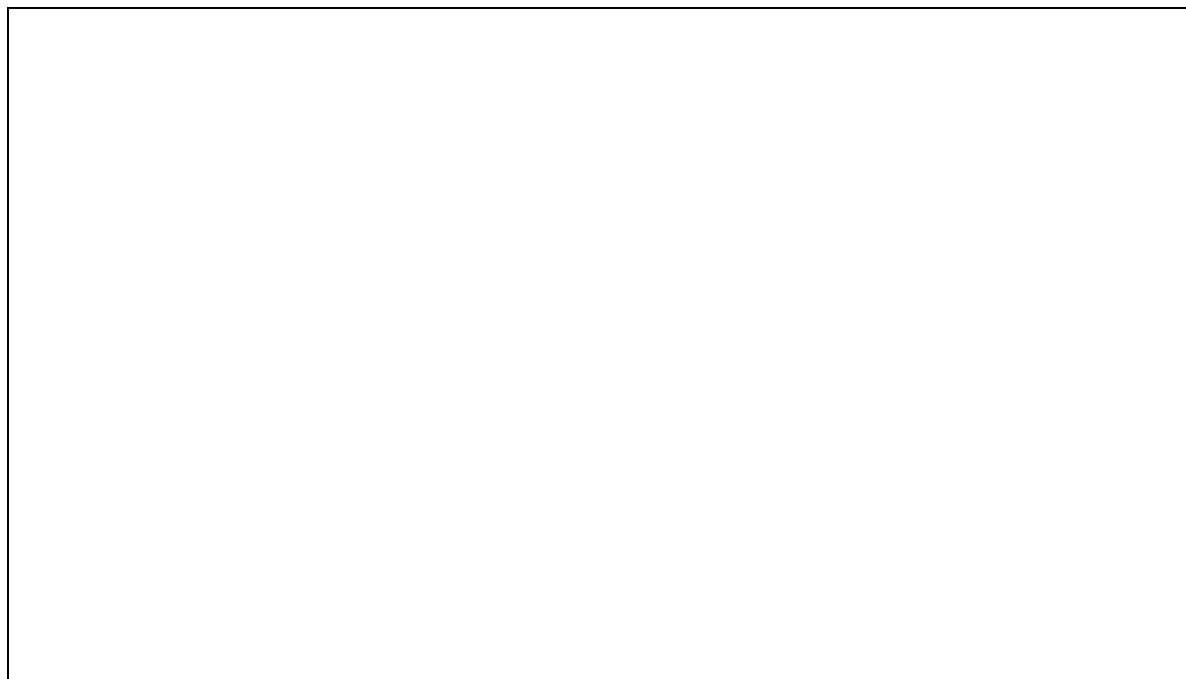| Rapids	Log Flume	Roller Coaster
150— 145 140 135 130 125 120 ← 115 110 105 100 95 90 85 80 75 70 65 60	150— 145 140 135 130 125 120 115 ← 110 105 100 95 90 85 80 75 70 65 60	150— 145 140 135 130 ← 125 120 115 110 105 100 95 90 85 80 75 70 65 60

Question 15 (3 marks)

Claire drinks 2 bottles of water. Each bottle holds 300ml of water.

Jessica's bottle holds 0.5 litres of water. She drinks 1 bottle.

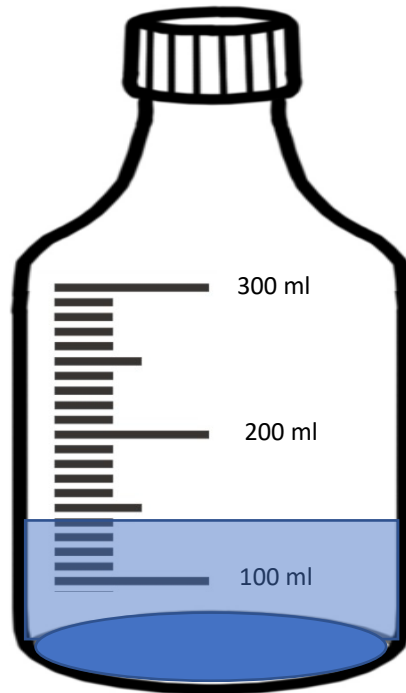Claire thinks she drinks more water than Jessica. Is she correct?

Show how you decide.

Question 16 (1 mark)

How much water is in this bottle?

300 ml

200 ml

100 ml

Question 17 (3 marks)

The table shows what people did for lunch when they visited the theme park on Monday.

Lunch Option	Number of People
Theme Park Restaurant 1	210
Theme Park Restaurant 2	180
Brings a Picnic	
Total Number of Visitors	**910**

The manager thinks that more people ate in a theme park restaurant than brought their own picnic.

Is he correct?

Show how you decide.

End of Assessment

For Marker's Use Only

	Please tick
I **confirm** that the work/evidence submitted is the learner's own work	☐
I **understand** that learner results may be invalidated if evidence is submitted that does not belong to them	☐

Questions	Marks available	Learner mark
Part A 1	1	
2	1	
3	1	
4	3	
5	3	
Total(A)	9	
Questions	Marks available	Learner mark
Part B 6	1	

7	3	
8	3	
9	2	
10	3	
11	3	
12	3	
13	1	
14	1	
15	3	
16	1	
17	3	
Total(B)	27	
A and B Total	**36**	

Role	Name	Signature	Date
Marker			
IV (if sampled)			
EV (if sampled)			