Functional Skills
Mathematics Assessment
Entry Level 3

There are 2 sections in this assessment, Part A and Part B.

Learner name

_____

Run ID

_____

Learner signature

_____

Centre

_____

Assessment date

_____

Part A - Non-calculator **You have 30 minutes to complete this section.** **You <u>must not</u> use a calculator.**

Instructions to learners
Part A: Non-calculator You will need a pen, pencil and a ruler. You may need a protractor and compasses. Use only blue or black ink. Pencil **<u>must only</u>** be used for drawing. You can write or draw to show your answers. You have **30 minutes** to complete **Part A**.

Question 1

You are facing North East.

You take a quarter turn to the right. Which direction are you now facing?

Write your answer in the box below.   **(1 mark)**

Answer_____

Question 2

Jayne's Dance Academy has 259 students in Latin classes and 386 students in the Ballroom classes. 48 students attend both classes.

How many students does she have in total?

Show your working out and write your answer in the box below.   **(3 marks)**

Answer_____

Question 3

Amir sees a discount advertised in a local furniture store.

Student Union Discount
1/3 off all items

A wardrobe is priced at £120. 1/3 of this is £40.

What would 2/3 be?

Write your answer in the box below.   **(1 mark)**

Answer_____

Question 4

Anila's dinner is served at 6.05pm.

a) Show this on the clock above. **(1 mark)**

Anila thinks this is 16:05 hours.

b) Is she correct? Explain your answer.

Write your answer and explanation in the box below. **(1 mark)**

Answer_____

Question 5

Name	Height
Sam	155 cm
Tom	1610 mm
Mark	1.8 m
Jan	185 cm
Rob	1.73 m

What is the height difference between Jan and Sam? Show the correct unit.

Show your working out and write your answer in the box below.   **(2 marks)**

Answer_____

End of Part A
Non-calculator

The invigilator will collect this section when the assessment time has ended.

The section must be collected by the invigilator before proceeding to Part B.

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Learner name

_____

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_____

Part B - Calculator

You have 1 hour to complete this section.

You <u>may</u> use a calculator.

Instructions to learners

Part B: Calculator

You will need a pen, pencil, ruler and a calculator. You may need a protractor and compasses.

Use only blue or black ink. Pencil **<u>must only</u>** be used for drawing.

You can write or draw to show your answers.

You have **1 hour** to complete **Part B**.

Question 6

Five friends booked a holiday to Malaga. It costs £985 in total. They agree to split the cost equally.

How much did each person pay?

Show your working out and write your answer in the box below.   **(2 marks)**

Answer_____

Question 7

Write the following numbers in words:

104   414

Write your answers in the box below.   **(2 marks)**

Answer_____

Question 8

Radu is going to buy a new cooker on credit over 12 months. He is going to pay £24 per month.

How much will he pay in total?

Show your working out and write your answer in the box below.   **(2 marks)**

Answer_____

Question 9

Chloe wants to buy an orange juice, two slices of cake and a piece of fruit.

Items	Prices
Orange Juice	£1.25
Filter Coffee	£2.10
Tea	£1.55
Cake (per slice)	£2.99
Packet of Crisps (all flavours)	85p each
Fruit (all types)	60p per piece

a) How much does Chloe pay in total?

Show your working out and write your answer in the box below.   **(2 marks)**

Answer_____

b) How much change would Chloe receive if she paid with a £20? Use the correct symbol for money.

Show your working out and write your answer in the box below.   **(2 marks)**

Answer_____

Question 10

Paulina and 4 friends want to attend a fitness class.

Fitness Class	Maximum class number	Number of people attending
Cardio	80	78
Yoga	45	41
Boxercise	50	44
Spin	60	57
Rebound	50	47

Which class can they all attend?

Write your answer in the box below.   **(1 mark)**

Answer_____

Question 11

A group of students have been asked to measure their heights

The following table gives their results:

Name	Height
Sam	155 cm
Tom	1610 mm
Mark	1.8 m
Jan	185 cm
Rob	1.73 m

What is the height of the tallest person in metres?

Show your working out and write your answer in the box below.   **(2 marks)**
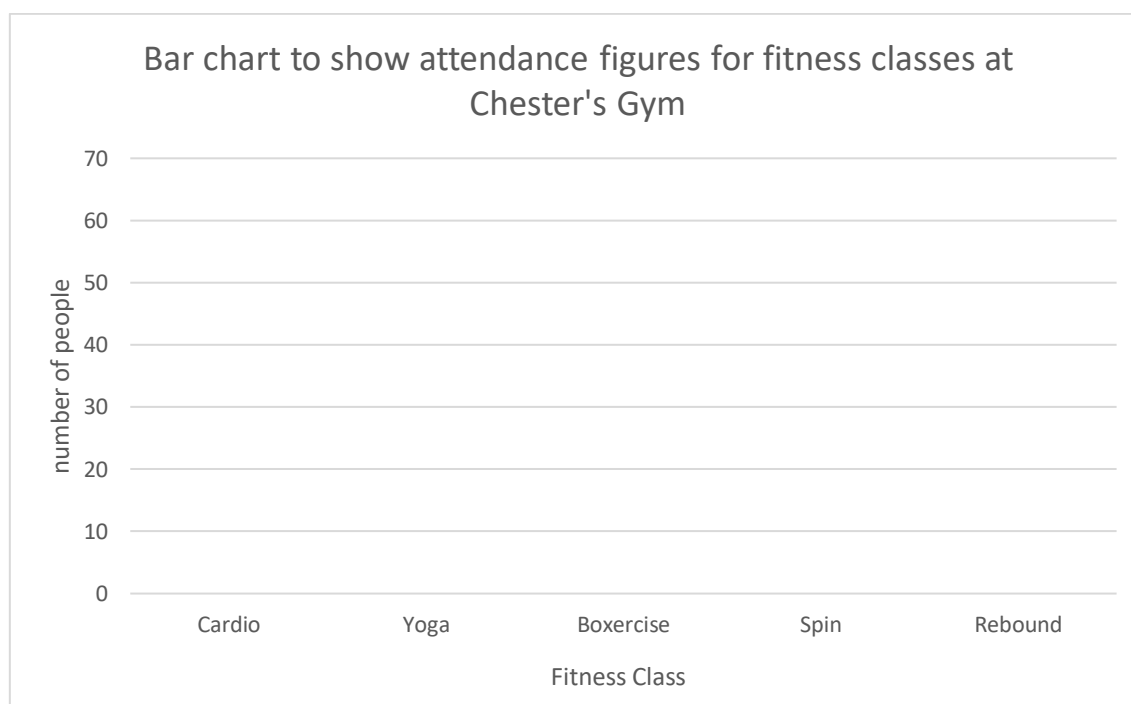
Answer_____

Question 12
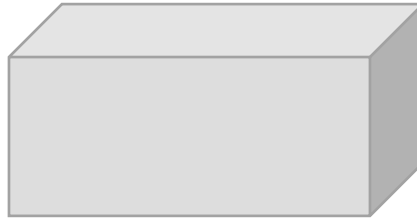
Chester has this information about classes at his gym.

Fitness Class	Number of people attending
Cardio	58
Yoga	45
Boxercise	60
Spin	57
Rebound	55

Show the information for Boxercise and Rebound classes on the bar chart below.

(2 marks)

Bar chart to show attendance figures for fitness classes at Chester's Gym

Question 13

How many right angles are in this cuboid?

Write your answer in the box below.   **(2 marks)**
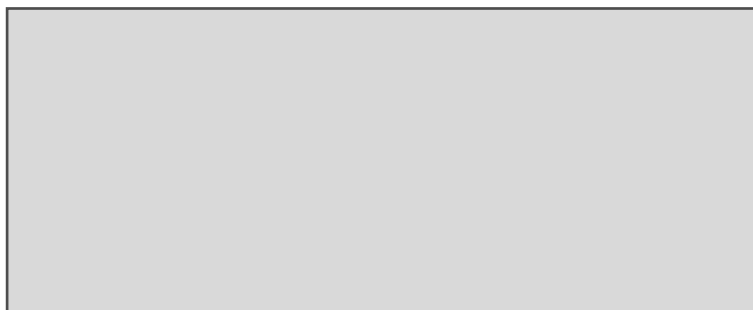
Answer_____

Question 14

Draw a line of symmetry of this shape.   **(1 mark)**

Question 15

Put the following numbers in order smallest to largest.

414   441   104

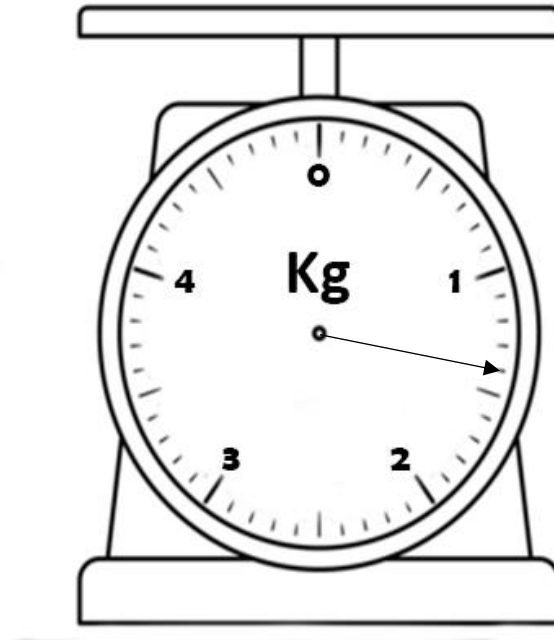Write your answer in the box below.   **(1 mark)**

Answer_____

Question 16

Bikram's recipe for one banana bread needs 475g of flour.

The scales show the weight of the flour Bikram has.

Does Bikram have enough flour to make three banana breads?

Show your working out and write your answer in the box below.   **(3 marks)**

Answer_____

Question 17

Davina works in a sports shop.

She arranges the weights onto the weights rack.

These are the weights: 1.25kg 1.5kg 1.75kg 1.35kg 1.55kg

Use the diagram below to order the weights from lightest to heaviest. **(1 mark)**

	Lightest
	Heaviest

Question 18

Round 749 to the nearest 100.

Write your answer in the box below. **(1 mark)**

Answer_____

Question 19

Here are the results of a questionnaire on methods of travel to work.

walk	cycle	bus	train	car
car	bus	car	walk	cycle
walk	car	walk	cycle	bus
cycle	train	cycle	bus	car
train	walk	cycle	walk	cycle
car	bus	car	train	car

a) **Complete the frequency table using the results.** (1 mark)

Method of Travel	Frequency
walk	6
cycle	7
bus	
train	4
car	8

b) **Which method of travel has the highest frequency?**

Write your answer in the box below. (1 mark)

Answer_____

Question 20

Complete the missing two numbers in the sequence. (1 mark)

63	66		72	75		81	84

End of Part B
Calculator

The invigilator will collect this section when the assessment time has elapsed.

End of Assessment.

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Marking Sheet

Question	Available marks	Marker	IQA Marker
Q1	1		
Q2	3		
Q3	1		
Q4	2		
Q5	2		
Q6	2		
Q7	2		
Q8	2		
Q9a	2		
Q9b	2		
Q10	1		
Q11	2		
Q12	2		
Q13	2		
Q14	1		
Q15	1		
Q16	3		
Q17	1		
Q18	1		
Q19a	1		
Q19b	1		
Q20	1		
Total	36		

Marker's name and date   **Moderator's name and date (if sampled)**

_____   _____

Comments from Marker

_____

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