In • •	formation The total mark for this section is 16 The marks for each question are shown in brackets. – use this as a guide to how much time to spend on each question. This sign √ shows where marks will be awarded for showing your checks.	
Ac •	dvice Read each question carefully before you start to answer it. Check your answers if you have time at the end.	
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Pearson Edexo Sample assess	cel Functional Skills Qualification in Mathematics at Level 2 sment materials (SAMs) – Issue 1 – June 2019 ©Pearson Education Limited 2019	

Please check the examination details below before entering your candidate information								
Candidate surname			Other names					
Pearson Edexcel Functional Skills	Centre	e Number	Candid	ate Number				
Sample assessment material for first teaching September 2019								
Time: 25 minutes		Paper R	eference SAML2	2/01				
MathematicsLevel 2Section A (Non – Calculator)								
You must have: Pen, HB pencil, eraser, ruler grad pair of compasses.	uated in	n cm and	mm, protractor,	Total Marks				

My signature confirms that I will not discuss the content of the test with anyone.

Signature:

Instructions

- Use a **black** ink or ball-point pen.
- Fill in the boxes at the top of this page with your name, centre number and candidate number.
- Sign the declaration.
- Answer **all** questions.
- Write your final answers in the boxes provided.
- Answer the questions in the spaces provided there may be more space than you need.
- You **must** show clearly how you get your answers in the spaces provided. Marks will be awarded for your working out.
- Check your working and your answers at each stage.
- Diagrams are **not** accurately drawn, unless otherwise indicated.
- Calculators may not be used
- Take the value of π to be 3.14

Ir

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Turn over 🕨

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SECTION A

Answer ALL questions. Write your answers in the spaces provided.

1 Ria works in a paint shop. She needs to make 1500 ml of purple paint.

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Ria makes purple paint by mixing red paint and blue paint and white paint in the ratio 3:2:1

How much blue paint does Ria need to make 1500 ml of purple paint?

(3)

ml

(Total for Question 1 is 3 marks)

2 Here is some information about the number of houses sold by 20 sales people.

Number of houses sold	Frequency	
1 – 5	7	
6 – 10	6	
11 – 15	5	
16 – 20	2	

Work out an estimate for the mean number of houses sold.

(3)

(Total for Question 2 is 3 marks)

3 Amanda wants to buy a new mobile phone.She sees these two offers for the same mobile phone.

Offer A

2 year contract monthly cost £59 and mobile phone cost £39.96 Offer B

SIM only monthly cost £11 and mobile phone cost £889.92

Amanda says,

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'I will save more than £300 in total over 2 years with offer B'.

Use estimation to check if her statement is reasonable. You **must** show your working.

(4)

(Total for Question 3 is 4 marks)

4 Matt buys a new fish tank.

The fish tank is in the shape of a cuboid.

The diagram shows water in the tank.



Matt knows

 $1000 \text{ cm}^3 = 1 \text{ litre}$

1 gallons = 4.5 litres

He can keep 2 small fish in the tank for every 1 gallon of water in the tank.

Matt thinks he can keep more than 36 small fish in the tank.

Is Matt correct?

(6)

(Total for Question 4 is 6 marks)

TOTAL FOR SECTION A = 16 MARKS

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