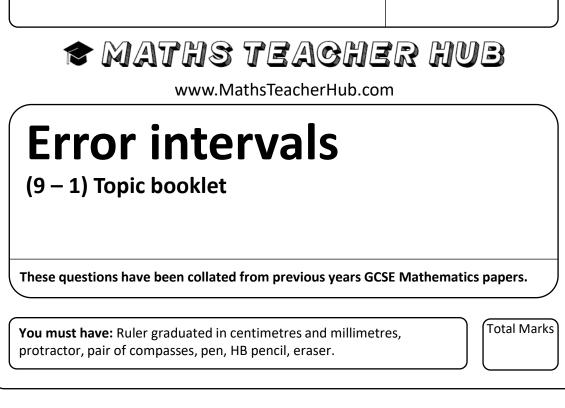
Name

Class



Instructions

•Use **black** ink or ball-point pen.

•Fill in the boxes at the top of this page with your name, centre number and candidate number.

- •Answer all questions.
- Answer the questions in the spaces provided
- there may be more space than you need.

•Diagrams are NOT accurately drawn, unless otherwise indicated.

•You must show all your working out.

•If the question is a **1F** question you are not allowed to use a calculator.

•If the question is a **2F** or a **3F** question, you may use a calculator to help you answer.

Information

•The marks for each question are shown in brackets

- use this as a guide as to how much time to spend on each question.

Advice

- •Read each question carefully before you start to answer it.
- •Keep an eye on the time.
- •Try to answer every question.
- •Check your answers if you have time at the end.

	LL questions s in the space provided. the stages in your working.
22 The length of a pencil is 128 mm correct to the	nearest millimetre.
Complete the error interval for the length of the	e pencil.
	mm \leq length $<$ mm
November 2019 – Paper 2F	(Total for Question 22 is 2 marks)
22 The length, L cm, of a line is measured as 13 cm	m correct to the nearest centimetre.
Complete the following statement to show the	range of possible values of L
	$\leq L <$
Specimen 1 – Paper 3F	(Total for Question 22 is 2 marks)
Specimen 1 – Paper 3F	
	(Total for Question 22 is 2 marks)
23 The length of a football pitch is 90 metres, corr	(Total for Question 22 is 2 marks) rect to the nearest metre.
	(Total for Question 22 is 2 marks) rect to the nearest metre.
23 The length of a football pitch is 90 metres, corr	(Total for Question 22 is 2 marks) rect to the nearest metre.
23 The length of a football pitch is 90 metres, corr	(Total for Question 22 is 2 marks) rect to the nearest metre.
23 The length of a football pitch is 90 metres, corr	(Total for Question 22 is 2 marks) rect to the nearest metre.
23 The length of a football pitch is 90 metres, corr	(Total for Question 22 is 2 marks) rect to the nearest metre.

3 Jess rounds a number, x, to one decimal place. The result is 9.8	
Write down the error interval for x .	
	(2)
November 2017 – Paper 3F	(Total for Question 23 is 2 marks)
23 A number, <i>n</i> , is rounded to 2 decimal places. The result is 4.76	
Using inequalities, write down the error interval for n	1.
une 2017 – Paper 2F	(Total for Question 23 is 2 marks)
une 2017 – Paper 2F	(Total for Question 23 is 2 marks)
23 Harley's house has a value of £160 000 correct to 2 si	ignificant figures.
	ignificant figures.
23 Harley's house has a value of £160 000 correct to 2 si	ignificant figures.
23 Harley's house has a value of £160 000 correct to 2 si(i) Write down the least possible value of the hou	ignificant figures. 1se. £(1)
23 Harley's house has a value of £160 000 correct to 2 si	ignificant figures. 1se. £(1)
	ignificant figures. use. £(1) house.
23 Harley's house has a value of £160 000 correct to 2 si(i) Write down the least possible value of the hou	ignificant figures. 1se. £(1)
23 Harley's house has a value of £160 000 correct to 2 si(i) Write down the least possible value of the hou	ignificant figures. use. £(1) house. £

25	
x = 4700 correct to 2 significant figures.	
Complete the error interval for <i>x</i> .	
	≤ <i>x</i> <
November 2022 – 2F	(Total for Question 25 is 2 marks)
25 A number, <i>m</i> , is rounded to 1 decimal place. The result is 9.4	
Complete the error interval for <i>m</i> .	
	<i>≤ m <</i>
Marc 2020 Deman 2E	
<u>May 2020 – Paper 3F</u>	(Total for Question 25 is 2 marks)
	(Total for Question 25 is 2 marks)
25 Sally used her calculator to work out the value of a r	(Total for Question 25 is 2 marks)
25 Sally used her calculator to work out the value of a rThe answer on her calculator display began	(Total for Question 25 is 2 marks)
25 Sally used her calculator to work out the value of a rThe answer on her calculator display began8.3	(Total for Question 25 is 2 marks)
25 Sally used her calculator to work out the value of a rThe answer on her calculator display began	(Total for Question 25 is 2 marks)
25 Sally used her calculator to work out the value of a rThe answer on her calculator display began8.3	(Total for Question 25 is 2 marks)
25 Sally used her calculator to work out the value of a rThe answer on her calculator display began8.3	(Total for Question 25 is 2 marks)
25 Sally used her calculator to work out the value of a rThe answer on her calculator display began8.3	(Total for Question 25 is 2 marks) number y.
25 Sally used her calculator to work out the value of a rThe answer on her calculator display began8.3	(Total for Question 25 is 2 marks)
25 Sally used her calculator to work out the value of a rThe answer on her calculator display began8.3	(Total for Question 25 is 2 marks) number y.
 25 Sally used her calculator to work out the value of a r The answer on her calculator display began 8.3 Complete the error interval for <i>y</i>. 	(Total for Question 25 is 2 marks) number y .
 25 Sally used her calculator to work out the value of a r The answer on her calculator display began 8.3 Complete the error interval for <i>y</i>. 	(Total for Question 25 is 2 marks) number y .
 25 Sally used her calculator to work out the value of a r The answer on her calculator display began 8.3 Complete the error interval for <i>y</i>. 	(Total for Question 25 is 2 marks) number y .
 25 Sally used her calculator to work out the value of a r The answer on her calculator display began 8.3 Complete the error interval for <i>y</i>. 	(Total for Question 25 is 2 marks) number y .

5 Jim rounds a number, <i>x</i> , to one decimal p The result is 7.2	
Write down the error interval for <i>x</i> .	
ecimen 2 – Paper 3F	(Total for Question 25 is 2 marks)
	(
Freddie measured the length of a pencil a	as 7.2 cm correct to 1 decimal place
reduce measured the length of a perior a	as 7.2 cm confect to 1 decimal place.
Complete the owner interval for the longth	nom of the noneil
Complete the error interval for the length	n, $p \mathrm{cm}$, of the pencil.
Complete the error interval for the length	n, $p \mathrm{cm}$, of the pencil.
Complete the error interval for the length	n, $p \mathrm{cm}$, of the pencil.
Complete the error interval for the length	h, $p \mathrm{cm}$, of the pencil.
Complete the error interval for the length	n, $p{\rm cm},$ of the pencil. $\leqslant p < \dots$
Complete the error interval for the length ovember 2021 – Paper 1F	