

CSSE Mock Paper 1 Maths



First Name:

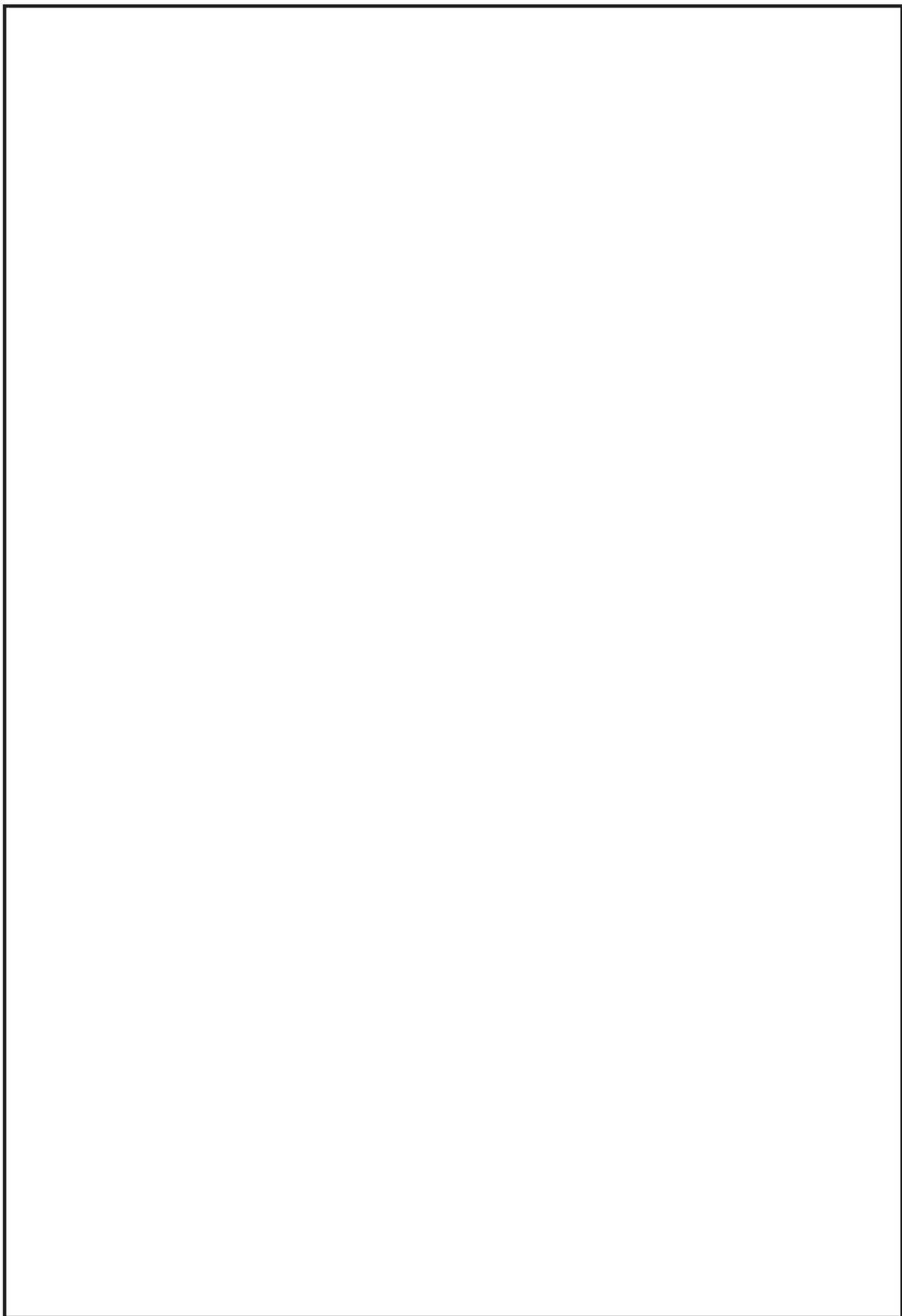
Last Name:

Primary School:

Date of Birth:

Today's Date:

DO NOT OPEN THIS PAPER UNTIL INSTRUCTED TO DO SO.



11 Plus Essex CSSE – Maths

Read the instructions carefully.

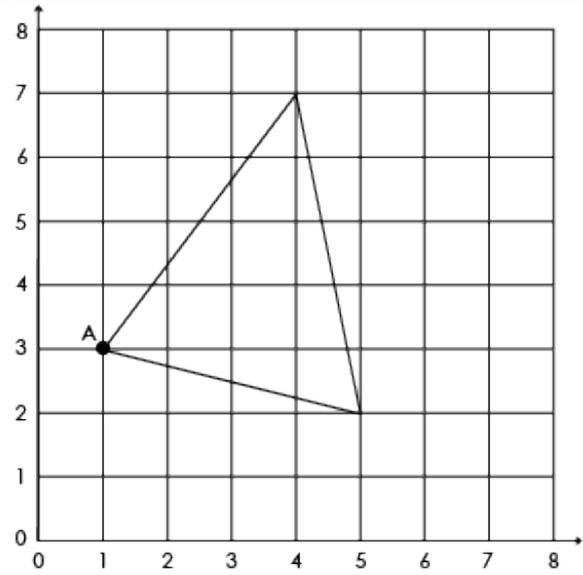
1. Do not open this booklet until you are told to do so.
2. You may work the questions out in your head, or by working out on the white area around the question.
3. Work as quickly and carefully as you can.
4. Make any alterations to your answers **clearly**.
You will not lose marks for crossing out.
5. You will have **60 minutes** to do this test. If you find you cannot do a question, do not waste time on it, but go on to the next one.
6. Once the test has begun, you should not ask about questions in the test.
7. The use of electronic calculators of any description is **NOT** permitted.

NOT TO BE FILLED IN BY PUPIL		
PAGE	SCORE	
	R	W
1 (7)		
2 (6)		
3 (6)		
4 (7)		
5 (7)		
6 (5)		
7 (6)		
8 (7)		
9 (6)		
10 (3)		
TOTAL (60)		
INITIALS OF MARKER(S)		

Question (and working space)	ANSWER
(b) Input → $\times 4$ → $+ 63$ → 127	Input =
(c) Input → Double → $\times 4$ → 128	Input =
(d) Input → Cube → $\div 5$ → 25	Input =
(e) Input → Half → $\times 3$ → 246	Input =

Please do not write in this space

21



(a) The triangle on the grid below has been translated 2 squares left and 3 squares down. What were the original coordinates of point A?

(,)

(b) If the triangle on the grid is translated 4 squares right and 2 squares up, what are the new coordinates of point A?

(,)

(6)

Question (and working space)	ANSWER	Please do not write in this space
<p>22 (a) A farmer has two fields. Field A is a rectangle 180 metres long and 120 metres wide. Field B is 1.5 times as long and 0.75 times as wide as field A.</p> <p>Find the area of field A in square metres.</p>	<p>..... m²</p>	
<p>(b) Calculate the length and width of field B.</p>	<p>length = m width = m</p>	
<p>(c) Find the area of field B.</p>	<p>..... m²</p>	
<p>(d) The farmer wants to fence both fields. Fencing costs £6 per 10 metres. Find the total cost to fence the perimeter of both fields.</p>	<p>£</p>	
<p>(e) The farmer wants to plant grass seed in both fields. One bag of seed covers 300 m².</p> <p>How many bags of seed does the farmer need altogether?</p>		
<p>23 Write 45% as a fraction in its simplest form.</p>		
<p>24 A number is increased by 20% and then decreased by 20%. Is the final number the same as the original?</p> <p>Write Yes or No.</p>		<p>(7)</p>

Question (and working space)	ANSWER	Please do not write in this space
<p>25 A train travels 120km from London to Colchester at an average speed of 80km per hour. On the return journey, due to engineering works, it travels 75km at 30km per hour, and the rest of the journey at 80km per hour.</p>		
<p>(a) Find the time taken for the journey from London to Colchester.</p>		
<p>(b) On the return journey the train travels 75km at 30km per hour. How long does this part of the journey take?</p>		
<p>(c) If the train leaves London at 09:03, and gets delayed at a station for 25 minutes, what time will it get to Colchester?</p>		
<p>26 For these statements, say whether they are true or false.</p>		
<p>(a) If we know that a number X rounded to the nearest 10 is 50, then $4X$ rounded to the nearest 10 must be 200.</p>		
<p>(b) If we know that a number Y rounded to the nearest 100 is 800, then $2Y$ rounded to the nearest 100 must be 1 600.</p>		
<p>(c) If we know that a number Z rounded to the nearest 1,000 is 4,000, then $3Z$ rounded to the nearest 1,000 must be 12,000.</p>		<p style="text-align: right;">R W</p> <p style="text-align: center;">(6)</p>

Working-out Space

