



Y5

CSSE maths Mock 1

2024

- 1) Work as quickly and as carefully as you can.
- 2) Mark any alterations to your answers clearly. You will not lose marks for crossing out.
- 3) Complete all work independently

Name _____

Date _____

**You have sixty minutes to complete this paper.
Do your working out in the spaces on the paper.**



Question (and working space)	ANSWER	Please do not write in this space	
1 (a) Calculate $3746 + 87 =$		
(b) Calculate $5213 - 67 =$		
(c) Calculate $438 \div 6 =$		
2 (a) Calculate $\frac{3}{7} + \frac{3}{8} =$		
(b) Fill in the box to make the division work $15 \div \boxed{} = 21$	Fill in the box		
(c) Calculate $5\frac{7}{15} - \boxed{} = 1\frac{1}{5}$	Fill in the box		
(d) Calculate $1\frac{3}{5} \div \boxed{} = 1\frac{1}{5}$	Fill in the box		
Go to next page		(7)	

Question (and working space)	ANSWER	Please do not write in this space	
3 (a) How many centimetres are there in 7.042km?	<p>..... centimetres</p>		
(b) A rectangle measures 4.2m by 0.5m. What is its area in cm ² ?	<p>..... cm²</p>		
(c) If there are 8 km for every 5 miles, how many miles are there in 48 kilometres.	<p>..... miles</p>		
4 (a) Find 35% of 560	<p>.....</p>		
(b) A shirt costs £8.40. If you buy 6 at a time you get a 30% discount. How much does it cost to buy six shirts if you buy them at the same time?	<p>.....</p>		
(c) Six pairs of socks bought together also would get a 30% discount. If Matt paid £6.30 for six pairs of socks, what was the original cost of one pair of socks cost?	<p>.....</p>		
Go to next page		(6)	

Question (and working space)	ANSWER	Please do not write in this space	
5 Below is a four digit number with a digit missing. <div style="text-align: center; font-size: 24px;"> 6 <input style="width: 30px; height: 20px; border: 1px solid black;" type="text"/> 1 4 </div>			
(a) What digit would need to go in the box to make this a 4 digit number which is divisible by 9?		
(b) What digit would need to go in the box to make this a 4 digit number which is divisible by 6?		
(c) What digit would need to go in the box to make this a 4 digit number which is divisible by 11?		
(d) What digit would need to go in the box to make this a 4 digit number which is divisible by 12?		
(e) What digit would need to go in the box to make this a 4 digit number which is divisible by 13?		
Go to next page		(5)	

Question (and working space)	ANSWER	Please do not write in this space	
6 (a) Find the 10 th number in the sequence below $3\frac{1}{2}, 5\frac{1}{2}, 7\frac{1}{2}, \dots$		
(b) Find the 10 th number in the sequence below $33\frac{1}{2}, 29\frac{1}{2}, 25\frac{1}{2}, \dots$		
(c) Which fraction is the same in both sequences?		

7 Using the numbers **4.2, 3.2, 0.5, 1.4 and 2.5**

(a) Find the range of the numbers above
(b) Find the mean of the numbers above.
(c) A different set of numbers consists of four numbers. Use the information below to find the four numbers. The median is double the mode and the mean is triple the median.

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Question (and working space)

8 In these sums, shapes each stand for a number.

(a)

$$\text{cake} + \text{mug} + \text{mug} = 34$$

$$\text{mug} + \text{cake} + \text{cake} = 35$$

$$\text{mug} + \text{sandwich} + \text{sandwich} = 34$$

$$\text{mug} = \quad \text{cake} = \quad \text{sandwich} =$$

Find the values of:

(b) In these sums, shapes each stand for a number.

$$\triangle + \square + \square = 39$$

$$\square + \triangle + \bigcirc = 34$$

$$\square + \square + \bigcirc = 37$$

$$\triangle = \quad \square = \quad \bigcirc =$$

Find the values of:

Go to next page

(6)

Question (and working space)	ANSWER	Please do not write in this space	
9 Mr Flin has three identical costumes to make for a school play. Each costume takes 1 hour 47 minutes to make.			
(a) If he starts at 7.35pm when will he finish?			
(b) If he wants to finish by 10pm, when does he need to start by?			
10 A restaurant has the following menu <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Starters</p> <p>Soup</p> <p>Falafels</p> <p>Whitebait</p> <p>Mozzarella with tomato</p> <p>Kebabs</p> </div> <div style="width: 45%;"> <p>Mains</p> <p>Fish and chips</p> <p>Butter Chicken</p> <p>Gnocchi</p> </div> </div>			
(a) If a guest decides to choose one starter and one main course, how many different meals are possible?		
(b) If a guest decides to choose one starter and two main courses, how many different meals are possible?		
(c) If a guest decides to choose two starters and two main courses, how many different meals are possible?		
	Go to next page		(5)

11 Question (and working space)

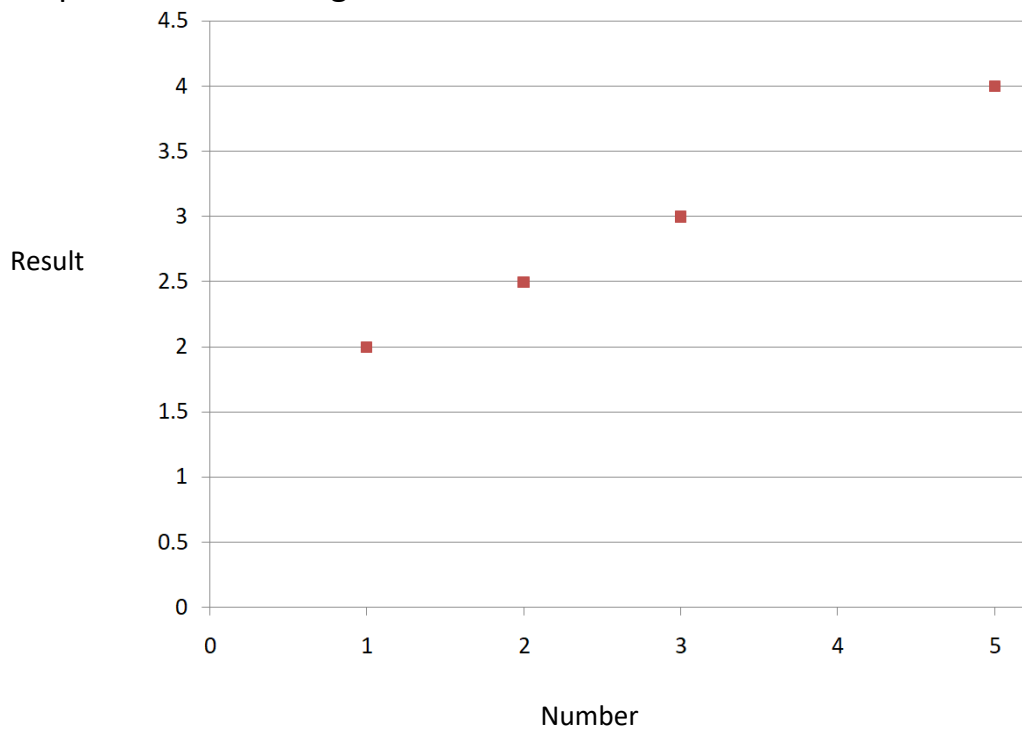
In the table the result is found by multiplying the number by 0.5 and adding 1.5.

Number	1	2	3	4	5
Result	2	2.5	3		4

(a) Fill in the missing cell in the table

Fill in the table

(b) Plot the points of the graph below with an **X** and join up the points with a straight line.



(c) If the **RESULT** was 12, what would the original number have been?

.....

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(3)

12

Question (and working space)

ANSWER

Please do not write in this space

(a) Matt, Raffy and Rachel are members of a family. Rachel's age is three times Raffy's age and Matt is 7 years older than Rachel. If the sum of their ages is 112, find their ages.

Raffy
Rachel.....
Matt.....

(b) If today is he 25th February, if Raffy was born on the 11th May, in which year was he born?

.....

(c) Raffy's cousin Jack was born when Rachel was 38. He was born on her birthday 24th June. How old will Jack be exactly a year from now?

.....

13

Miss Warde's students were asked about the numbers of pets they had. The table below shows the results.

Pets	Children
0	8
1	7
2	3
3	2

(a) How many children are in the class?

.....

(b) How many pets were owned by the class?

.....

(c) What is the mode for the pets?

.....

(d) What is the mean number of pets for the class?

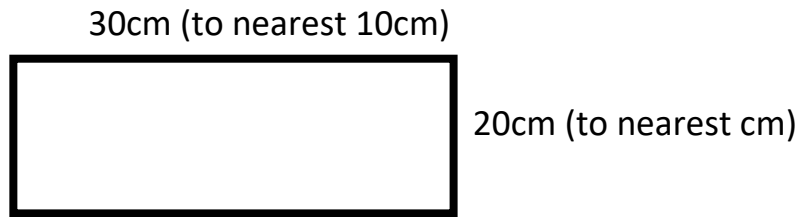
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(9)

Question (and working space)

- 14 In the rectangle below, the length is 30cm rounded to the nearest 10 cm and the width is 20cm rounded to the nearest cm.



- (a) Find the smallest possible value for the perimeter of the rectangle.

.....
cm

- (b) Find the smallest possible value for the area of the rectangle.

.....
Cm²

- 15 This question is about four positive numbers A, B, C and D. You are not told the value of these numbers, but you are told that they obey these rules.

$$A = B + 4$$

$$C = 3B$$

$$D = B^2$$

- (a) Find the value of:
 $6A - 2C$

.....

- (b) Find the value of:

$$C \div (A - 4)$$

.....

- (c) Find the value of:
 $AB - C - D$

.....

Go to next page

(5)

Question (and working space)

ANSWER

Please do not
write in this
space

16

(a) $320 \div 80 =$

.....

(b) $32 \div 80 =$

.....

(c) $320 \div 0.8 =$

.....

(d) $0.32 \div 0.08 =$

.....

(e) $0.032 \div 80 =$

.....

End of test

Answers will be posted to <https://www.elevenplusipswich.co.uk/sample-m>