

Fluent in Five

Daily Arithmetic Practice
Week 5

Year 6

Year 6 - Week 5

Please note, we always recommend reading 'Your Guide to Using Fluent in Five' before using these resources with your class.

This week in a nutshell

Now children are confident with the structure of Fluent in Five, the calculation load and complexity is beginning to be increased to a level similar to the end of Key Stage 2 arithmetic test. However, there are still only 2 questions where a formal written method is needed.

- Mental subtraction focuses on subtracting decimals, including where there are an unequal number of decimal places, but where the place value boundaries are not crossed.
- Mental multiplication focuses on multiplying 3 single-digit numbers, using the commutative and associative law (e.g. calculating $8 \times 3 \times 3$ by understanding that you can calculate $3 \times 3 = 9$ and then multiply 8 by 9).
- Written addition and subtraction involves decimals, including where there is an unequal number of decimal places. In order to tackle these, it is important that children have a secure understanding of place value in decimals, and the role of 0 as a place holder.
- Addition of fractions with different denominators is introduced for the first time this week, but in this week's questions, one denominator will always be a simple multiple of the other.

Name.....

Date.....School.....

Class.....Score.....

1

$$\frac{1}{7} + \frac{3}{7} =$$

1 mark

2

$$43.34 + 4.894 =$$

1 mark

3

$$76.4 - 21.2 =$$

1 mark

4

$$5 \times 6 \times 5 =$$

1 mark

5

$$683 \times 7 =$$

1 mark

Answer Sheet

Remember, (M) is written next to those questions you should have tried to solve mentally first. (W) means a written method is usually more efficient for this question.

1. $\frac{1}{7} + \frac{3}{7} = \frac{\mathbf{4}}{\mathbf{7}}$ (M)

2. $43.34 + 4.894 = \mathbf{48.234}$ (W)

3. $76.4 - 21.2 = \mathbf{55.2}$ (M)

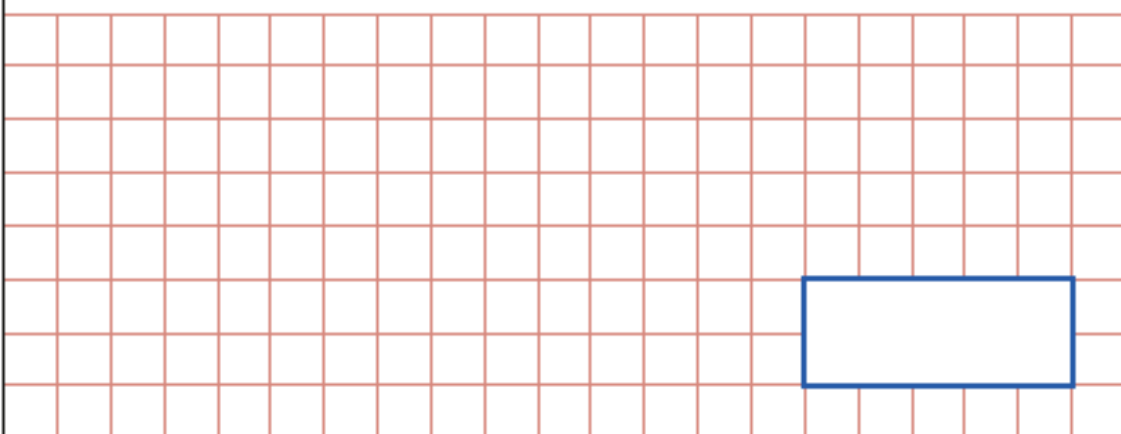
4. $5 \times 6 \times 5 = \mathbf{150}$ (M)

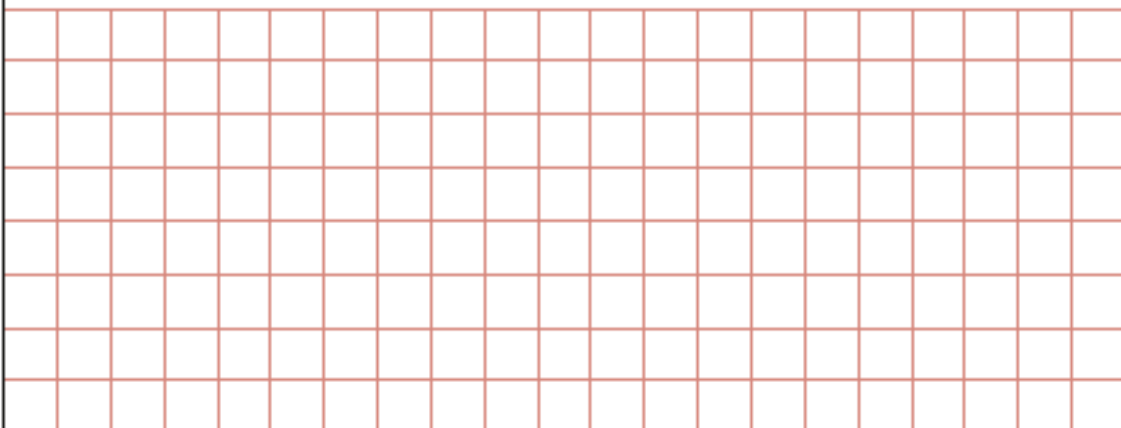
5. $683 \times 7 = \mathbf{4,781}$ (W)

Name.....


Date..... School.....


Class..... Score.....


1	$\frac{1}{3} + \frac{1}{6} =$ 	<input data-bbox="1388 1209 1468 1288" type="checkbox"/> 1 mark
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2	<input data-bbox="271 1456 550 1579" type="text"/> - 18,573 = 22,749 	<input data-bbox="1388 1859 1468 1937" type="checkbox"/> 1 mark
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Fluent in Five - Year 6
Week 5 - Day 2

3	$8 \times 3 \times 3 =$ 	<input data-bbox="1390 707 1466 786" type="checkbox"/> 1 mark
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4	$89.43 - 13.12 =$ 	<input data-bbox="1390 1330 1466 1408" type="checkbox"/> 1 mark
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5	$37 \times 78 =$ 	<input data-bbox="1390 1957 1466 2036" type="checkbox"/> 2 marks
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Answer Sheet

Remember, (M) is written next to those questions you should have tried to solve mentally first. (W) means a written method is usually more efficient for this question.

1. $\frac{1}{3} + \frac{1}{6} = \frac{\mathbf{3}}{\mathbf{6}}$ or $\frac{\mathbf{1}}{\mathbf{2}}$ (M)

2. $\mathbf{41,322} - 18,573 = 22,749$ (W)

3. $8 \times 3 \times 3 = \mathbf{72}$ (M)

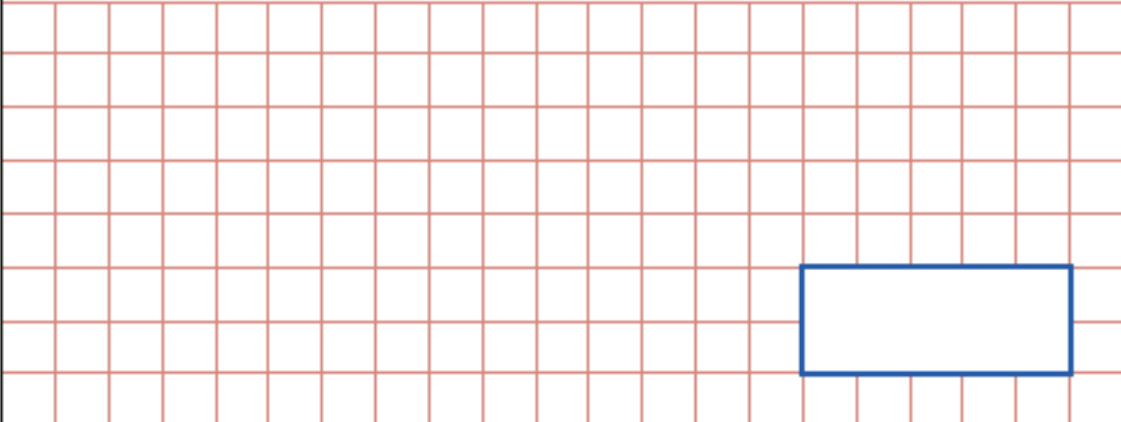
4. $89.43 - 13.12 = \mathbf{76.31}$ (M)

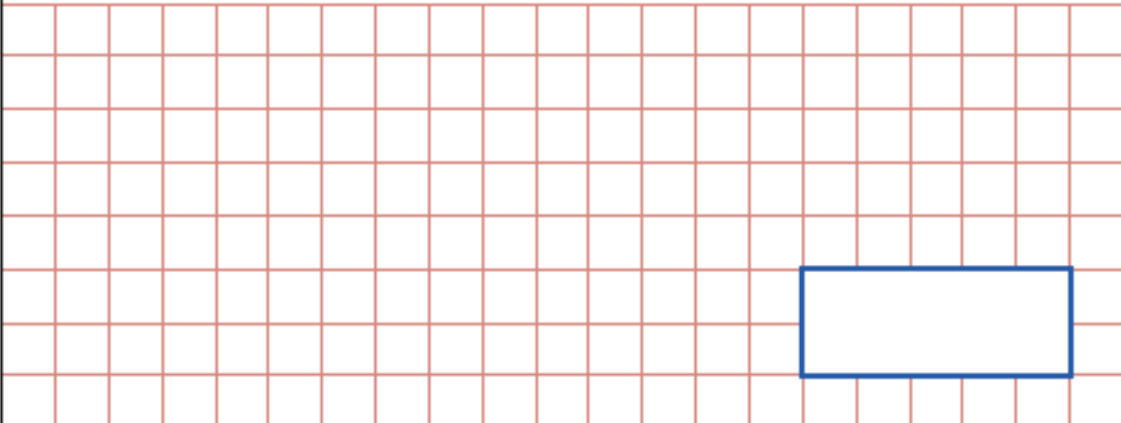
5. $37 \times 78 = \mathbf{2,886}$ (W)

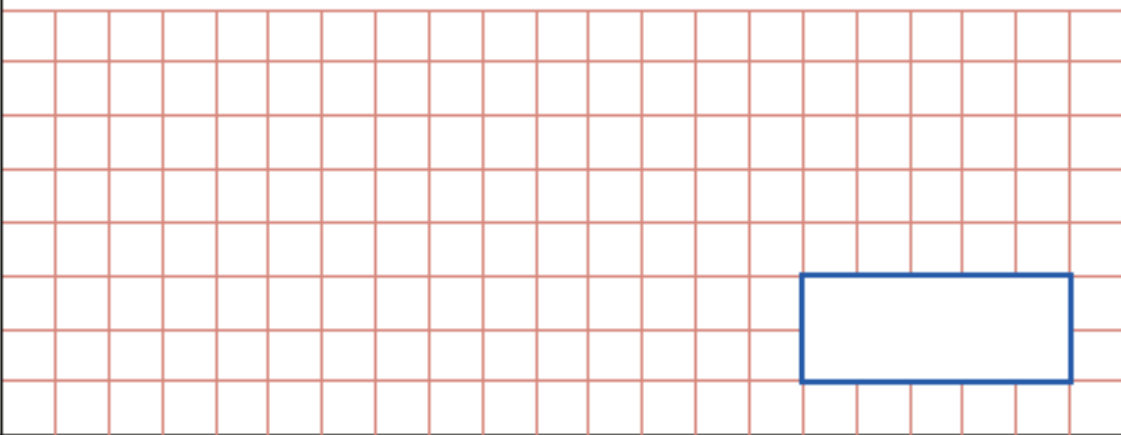
Name.....

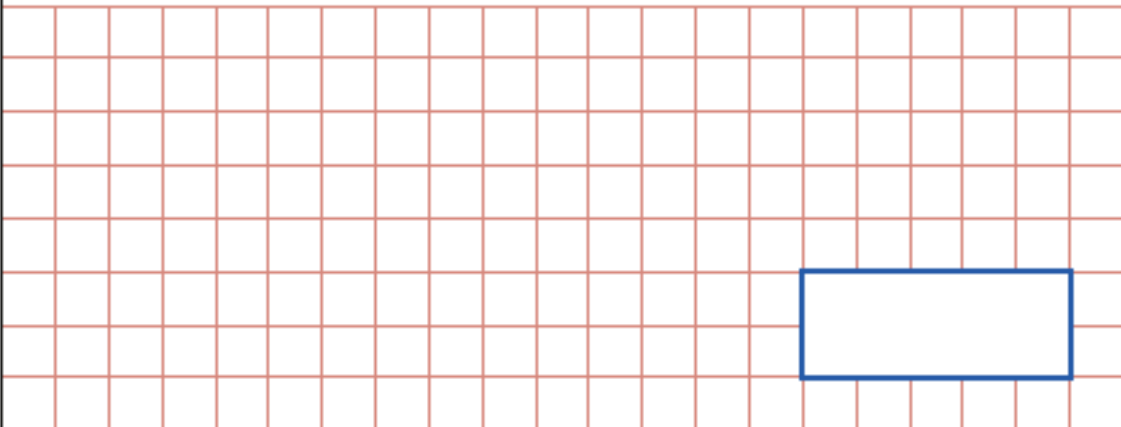
Date.....School.....

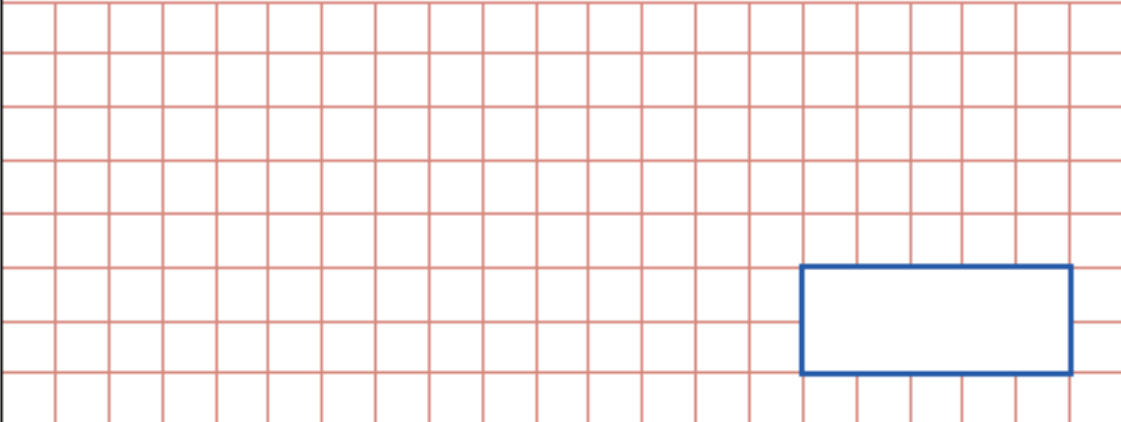
Class.....Score.....

1	$87 \div 100 =$ 	<input data-bbox="1388 1209 1468 1288" type="checkbox"/> 1 mark
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2	$5 \times 6 \times 5 =$ 	<input data-bbox="1388 1870 1468 1948" type="checkbox"/> 1 mark
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3	$86.49 - 17.9 =$ 	<input data-bbox="1388 705 1476 784" type="checkbox"/> 1 mark
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4	$\frac{1}{5} + \frac{4}{15} =$ 	<input data-bbox="1388 1332 1476 1411" type="checkbox"/> 1 mark
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5	$3,842 \div 5 =$ 	<input data-bbox="1388 1937 1476 2016" type="checkbox"/> 1 mark
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Answer Sheet

Remember, (M) is written next to those questions you should have tried to solve mentally first. (W) means a written method is usually more efficient for this question.

1. $87 \div 100 = \mathbf{0.87}$ (M)

2. $5 \times 6 \times 5 = \mathbf{150}$ (M)

3. $86.49 - 17.9 = \mathbf{68.59}$ (W)


4. $\frac{1}{5} + \frac{4}{15} = \frac{\mathbf{7}}{\mathbf{15}}$ (M)


5. $3,842 \div 5 = \mathbf{768 \text{ r } 2}$ or $\mathbf{768 \frac{2}{5}}$ or $\mathbf{768.4}$ (W)


Name.....


Date..... School.....


Class..... Score.....

1	$\frac{2}{9} + \frac{1}{3} =$ 	<input data-bbox="1385 1211 1465 1294" type="checkbox"/> 1 mark
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2	$3 \times 0 \times 9 =$ 	<input data-bbox="1385 1868 1465 1951" type="checkbox"/> 1 mark
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3	$76.4 - 16.53 =$ 	<input data-bbox="1385 703 1465 786" type="checkbox"/> 1 mark
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4	$76.39 - 13.2 =$ 	<input data-bbox="1385 1326 1465 1408" type="checkbox"/> 1 mark
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5	$8,473 + 12,987 =$ 	<input data-bbox="1385 1953 1465 2036" type="checkbox"/> 1 mark
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Answer Sheet

Remember, (M) is written next to those questions you should have tried to solve mentally first. (W) means a written method is usually more efficient for this question.

1. $\frac{2}{9} + \frac{1}{3} = \frac{5}{9}$ (M)

2. $3 \times 0 \times 9 = \mathbf{0}$ (M)

3. $76.4 - 16.53 = \mathbf{59.87}$ (W)

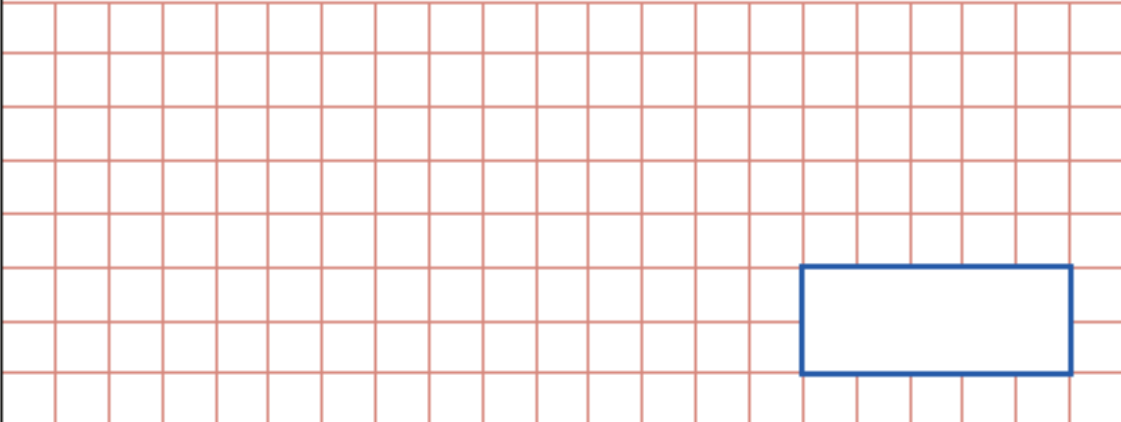

4. $76.39 - 13.2 = \mathbf{63.19}$ (M)

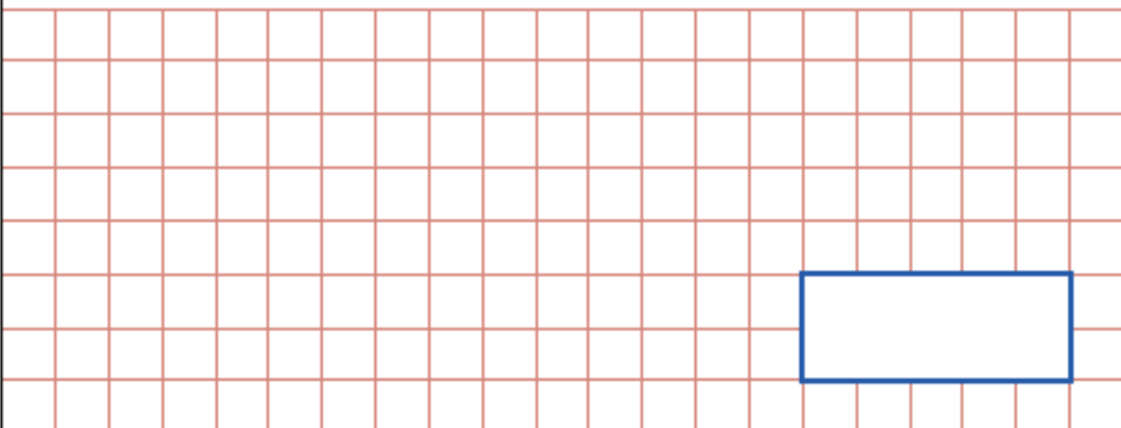

5. $8,473 + 12,987 = \mathbf{21,460}$ (W)

Name.....

Date.....School.....

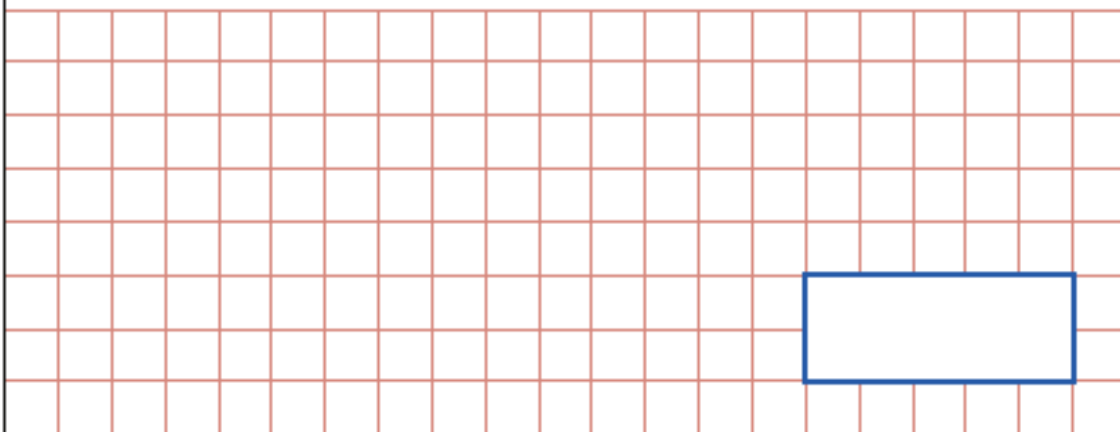
Class.....Score.....

1	$800 - 290 =$ 	 <input data-bbox="1388 1209 1468 1288" type="checkbox"/> 1 mark
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2	$437 \times 5 =$ 	 <input data-bbox="1388 1870 1468 1948" type="checkbox"/> 1 mark
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3

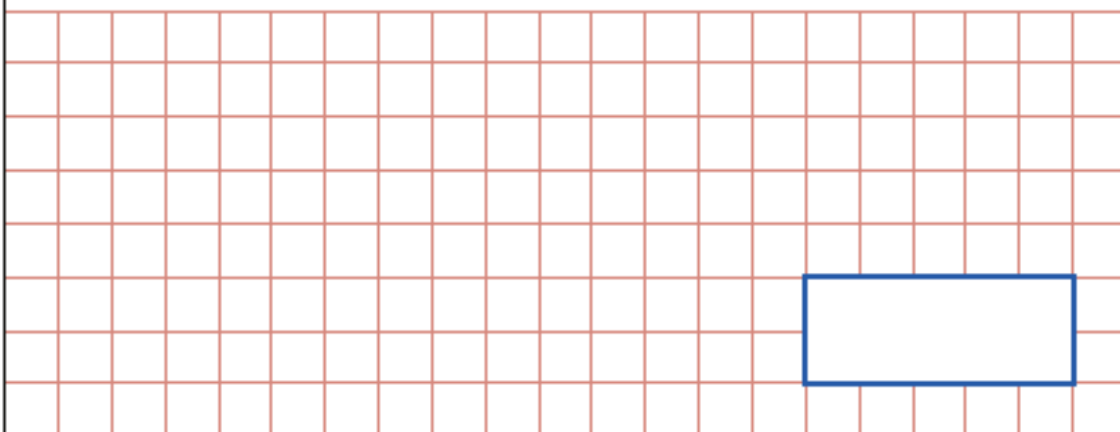
$$6.394 - 2.13 =$$



1 mark

4

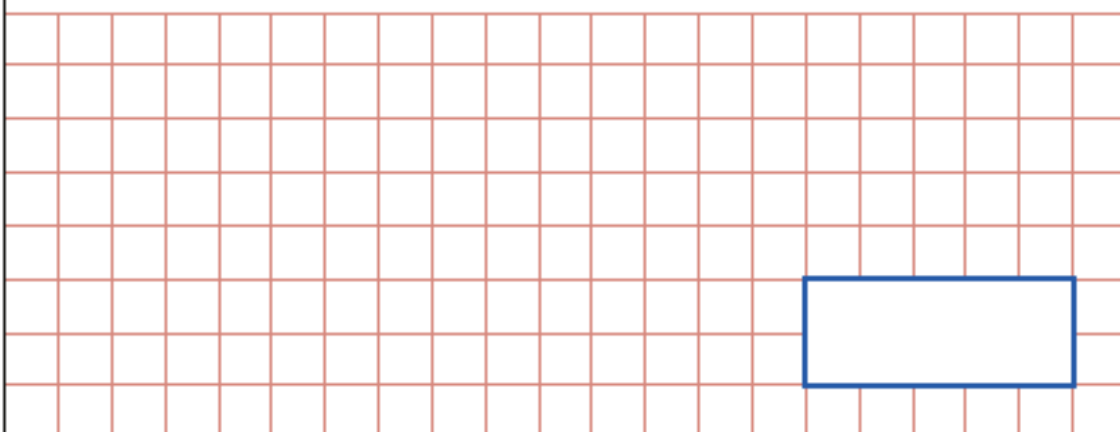
$$\frac{2}{7} + \frac{3}{14} =$$



1 mark

5

$$87,832 - 12,839 =$$



1 mark

Answer Sheet

Remember, (M) is written next to those questions you should have tried to solve mentally first. (W) means a written method is usually more efficient for this question.

1. $800 - 290 = \mathbf{510}$ (M)

2. $437 \times 5 = \mathbf{2,185}$ (W)

3. $6.394 - 2.13 = \mathbf{4.264}$ (M)

4. $\frac{2}{7} + \frac{3}{14} = \mathbf{\frac{7}{14}}$ or $\mathbf{\frac{1}{2}}$ (M)

5. $87,832 - 12,839 = \mathbf{74,993}$ (W)