

Fluent in Five

Daily Arithmetic Practice
Week 8

Year 5

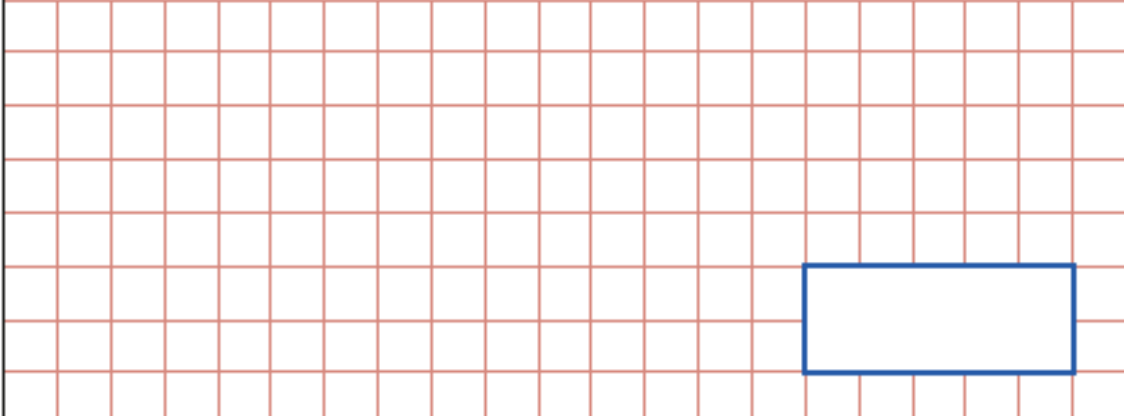
Year 5 - Week 8


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

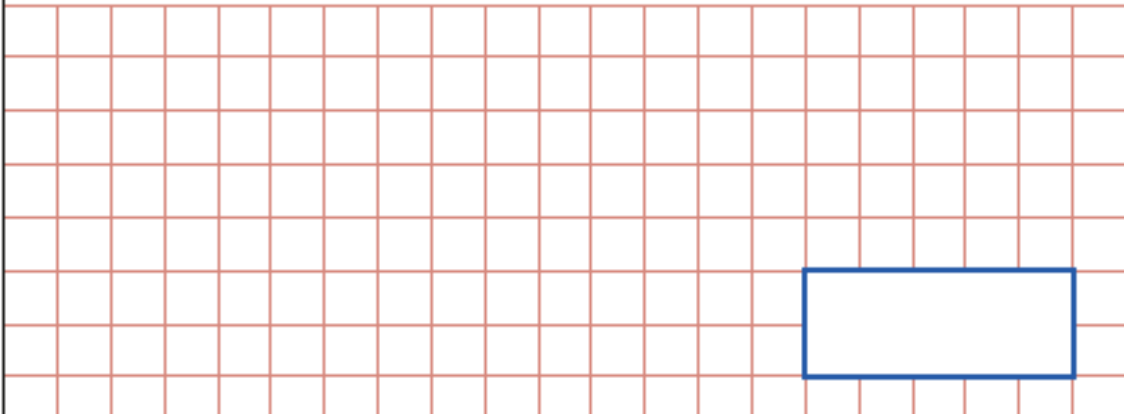
This week in a nutshell


- Pupils are introduced to multiplying fractions by whole numbers. For both of these styles of questions, answers can be given in any equivalent form.
- Mental multiplication and division skills from the previous 7 weeks are recapped throughout the week, and pupils are also introduced to mentally multiplying by 25 for the first time.
- This week, pupils are introduced to questions which involve the multiplication of two 2-digit numbers using a written method for the first time.

Note, questions which require the use of a written method to multiply a 2-digit number by a 2-digit number will always gain 2 marks in the arithmetic test. In these questions, a method mark is awarded where there is no more than 1 arithmetic error in a complete method.

| | | |
|---|---|--|
| 1 | $57,694 + 67,896 =$  <input data-bbox="1027 712 1302 824" type="text"/> | <input data-bbox="1390 712 1465 786" type="checkbox"/> 1 mark |
|---|---|--|

| | | |
|---|---|--|
| 2 | $\frac{1}{3} + \frac{1}{3} =$  <input data-bbox="1027 1335 1302 1447" type="text"/> | <input data-bbox="1390 1335 1465 1408" type="checkbox"/> 1 mark |
|---|---|--|

| | | |
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| 3 | $5 \times 25 =$  <input data-bbox="1027 1957 1302 2069" type="text"/> | <input data-bbox="1390 1957 1465 2031" type="checkbox"/> 1 mark |
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| | | |
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| 4 | $75 \times 21 =$  | <input data-bbox="1390 703 1465 779" type="checkbox"/> 2 marks |
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| | | |
|---|---|--|
| 5 | $42 \div 7 =$  | <input data-bbox="1390 1328 1465 1404" type="checkbox"/> 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.

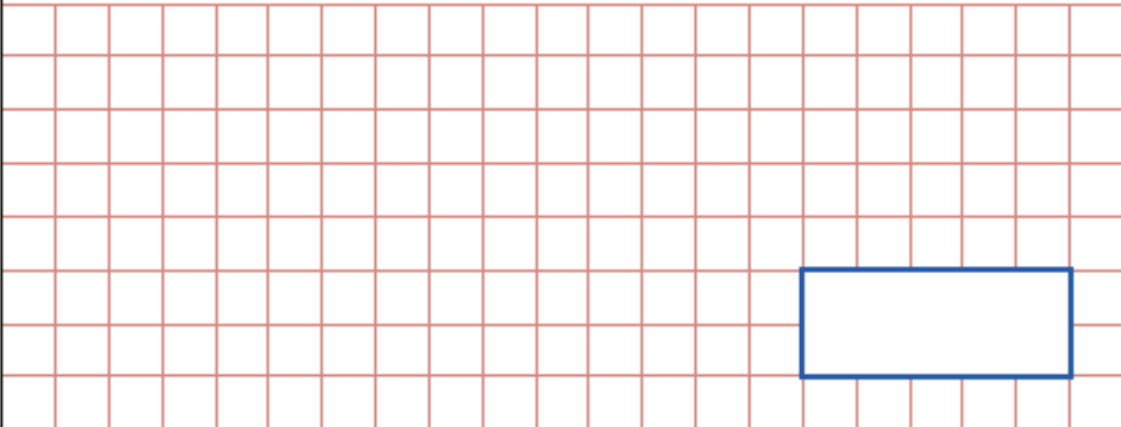
1. $57,694 + 67,896 = \mathbf{125,590}$ (W)

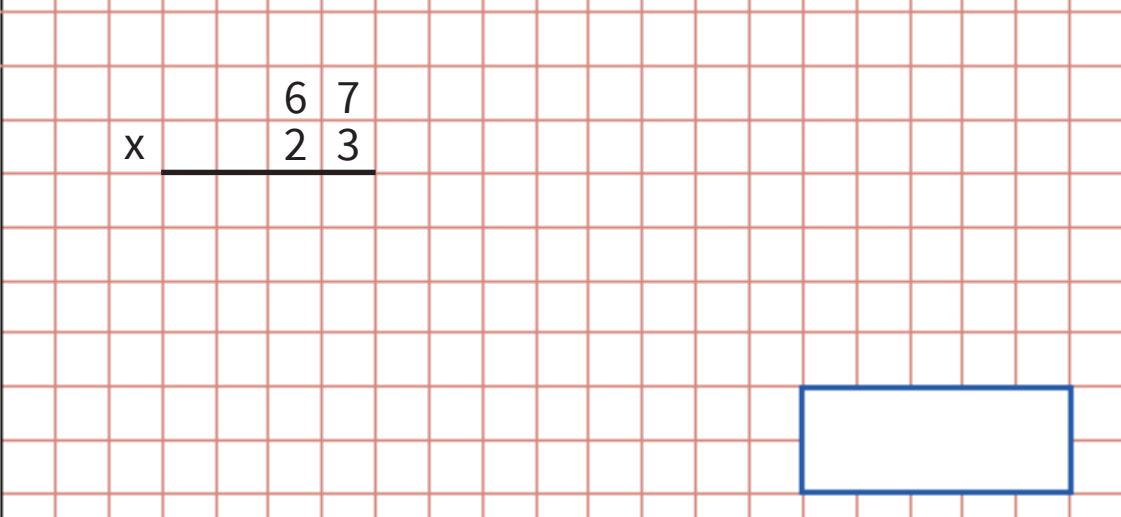
2. $\frac{1}{3} + \frac{1}{3} = \frac{\mathbf{2}}{\mathbf{3}}$ (M)

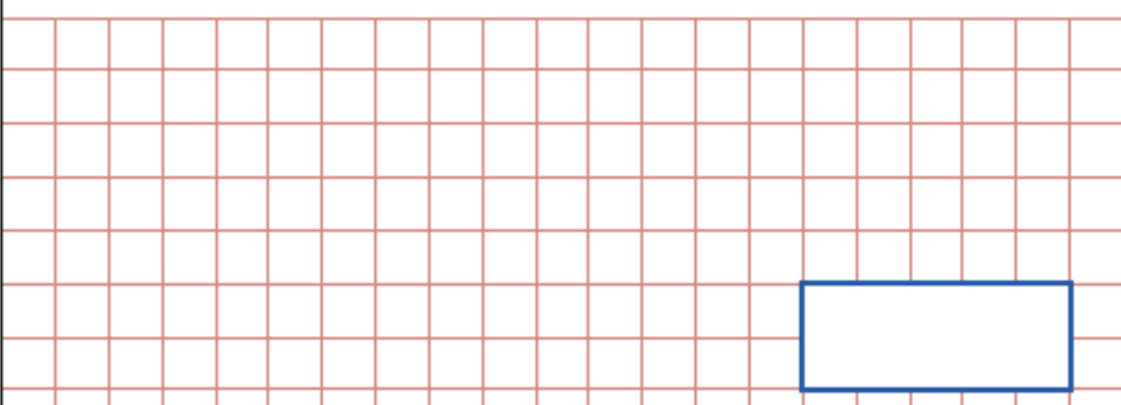
3. $5 \times 25 = \mathbf{125}$ (M)

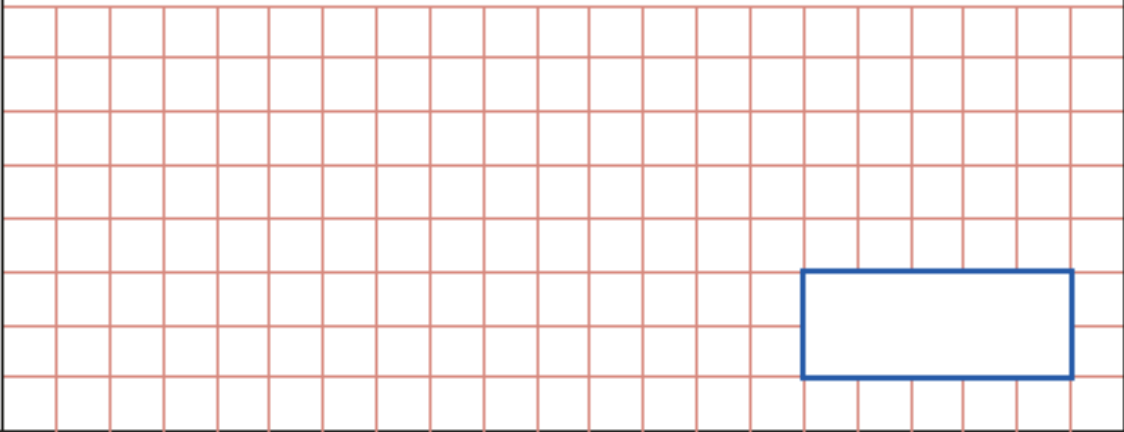
4. $75 \times 21 = \mathbf{1,575}$ (W)

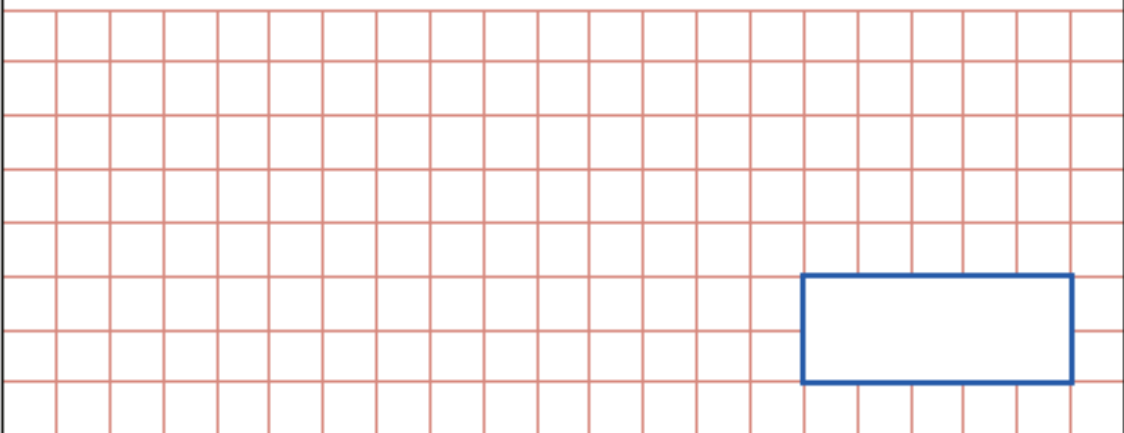
5. $42 \div 7 = \mathbf{6}$ (M)

| | | |
|--|------------------|--|
| 1 | $347 \times 6 =$ | |
|  | | <input style="width: 100px; height: 30px; border: 1px solid blue;" type="text"/> |
| | | <input style="width: 30px; height: 30px;" type="checkbox"/> 1 mark |

| | | |
|---|--|--|
| 2 | $\begin{array}{r} 67 \\ \times 23 \\ \hline \end{array}$ | |
|  | | <input style="width: 100px; height: 30px; border: 1px solid blue;" type="text"/> |
| | | <input style="width: 30px; height: 30px;" type="checkbox"/> 2 marks |

| | | |
|--|-------------------------------|--|
| 3 | $\frac{1}{8} + \frac{6}{8} =$ | |
|  | | <input style="width: 100px; height: 30px; border: 1px solid blue;" type="text"/> |
| | | <input style="width: 30px; height: 30px;" type="checkbox"/> 1 mark |

| | | |
|---|--|--|
| 4 | $11 \times 25 =$  | <input data-bbox="1388 705 1468 795" type="checkbox"/> 1 mark |
|---|--|--|

| | | |
|---|--|--|
| 5 | $\frac{2}{5} \times 3 =$  | <input data-bbox="1388 1332 1468 1422" 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. $347 \times 6 = \mathbf{2,082}$ (W)

2. $67 \times 23 = \mathbf{1,541}$ (W)

3. $\frac{1}{8} + \frac{6}{8} = \frac{\mathbf{7}}{\mathbf{8}}$ (M)

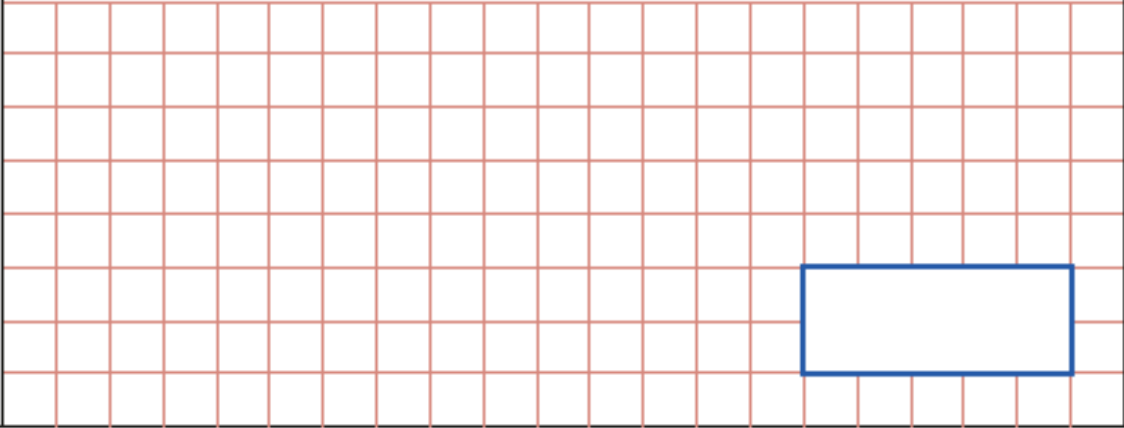
4. $11 \times 25 = \mathbf{275}$ (M)

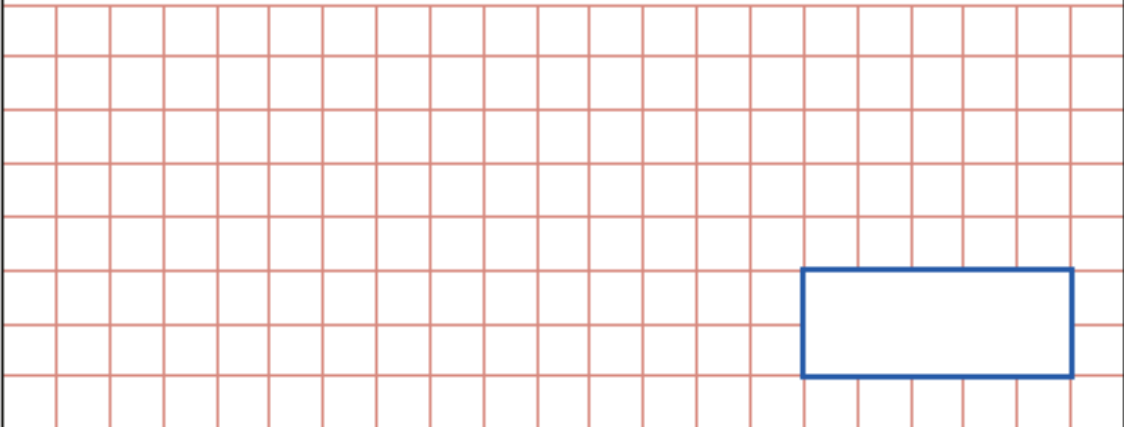
5. $\frac{2}{5} \times 3 = \frac{\mathbf{6}}{\mathbf{5}}$ or $\mathbf{1\frac{1}{5}}$ (M)

| | | | |
|----------|------------------|----------------------|-------------------------------------|
| 1 | $34 \times 21 =$ | <input type="text"/> | <input type="checkbox"/> 2 marks |
|----------|------------------|----------------------|-------------------------------------|

| | | | |
|----------|----------------|----------------------|------------------------------------|
| 2 | $784 \div 9 =$ | <input type="text"/> | <input type="checkbox"/> 1 mark |
|----------|----------------|----------------------|------------------------------------|

| | | | |
|----------|----------------------------------|----------------------|------------------------------------|
| 3 | $\frac{1}{15} + \frac{11}{15} =$ | <input type="text"/> | <input type="checkbox"/> 1 mark |
|----------|----------------------------------|----------------------|------------------------------------|

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|---|--|--|
| 4 | $\frac{1}{3} \times 2 =$  | <input data-bbox="1388 705 1468 784" type="checkbox"/> 1 mark |
|---|--|--|

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|---|--|--|
| 5 | $20 \times 25 =$  | <input data-bbox="1388 1332 1468 1411" type="checkbox"/> 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.

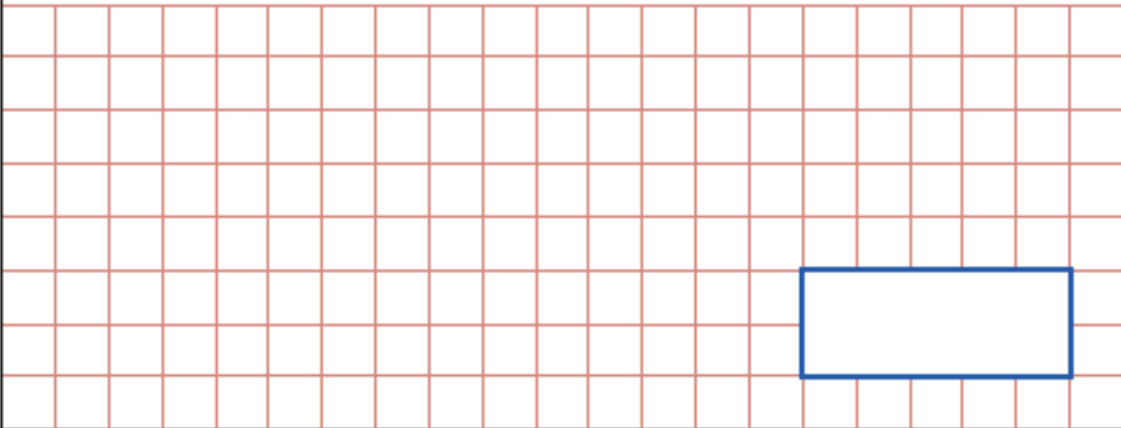
1. $34 \times 21 = \mathbf{714}$ (W)

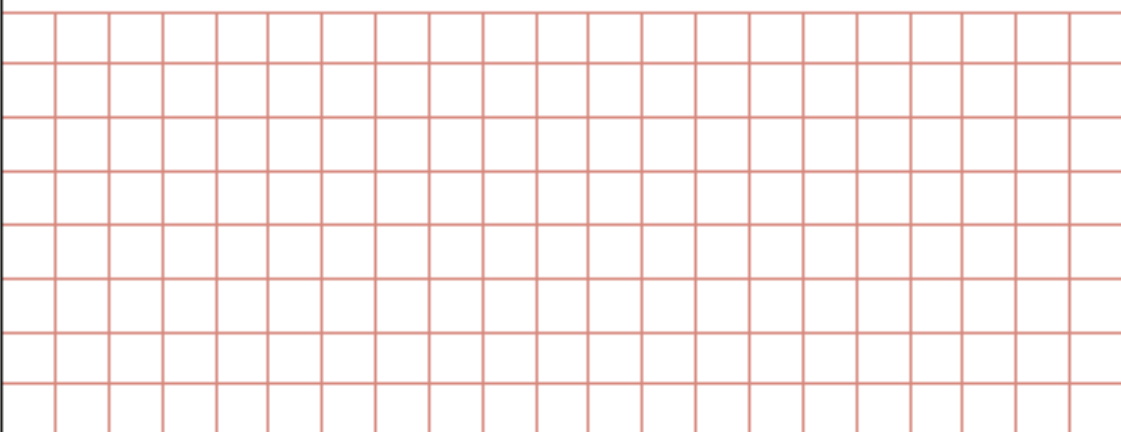
2. $784 \div 9 = \mathbf{87\frac{1}{9}}$ or $\mathbf{87\ r\ 1}$ (W)

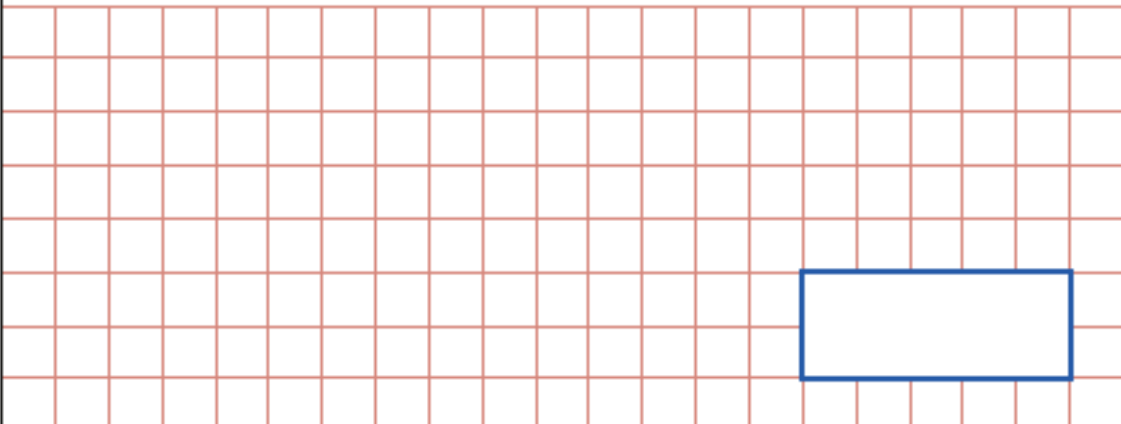
3. $\frac{1}{15} + \frac{11}{15} = \frac{\mathbf{12}}{\mathbf{15}}$ (M)

4. $\frac{1}{3} \times 2 = \frac{\mathbf{2}}{\mathbf{3}}$ (M)

5. $20 \times 25 = \mathbf{500}$ (M)

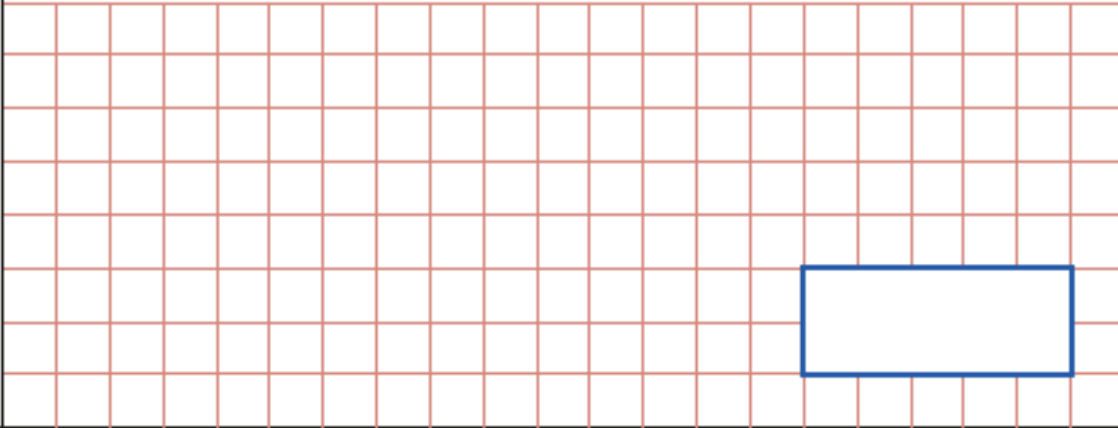
| | | |
|--|------------------|------------------------------------|
| 1 | $879 \times 9 =$ | |
|  | | <input type="checkbox"/> 1 mark |

| | | |
|--|--|------------------------------------|
| 2 | <input style="width: 150px; height: 30px; border: 1px solid blue;" type="text"/> $\div 3 = 20$ | |
|  | | <input type="checkbox"/> 1 mark |

| | | |
|--|--------------------------|------------------------------------|
| 3 | $\frac{3}{5} \times 2 =$ | |
|  | | <input type="checkbox"/> 1 mark |

4

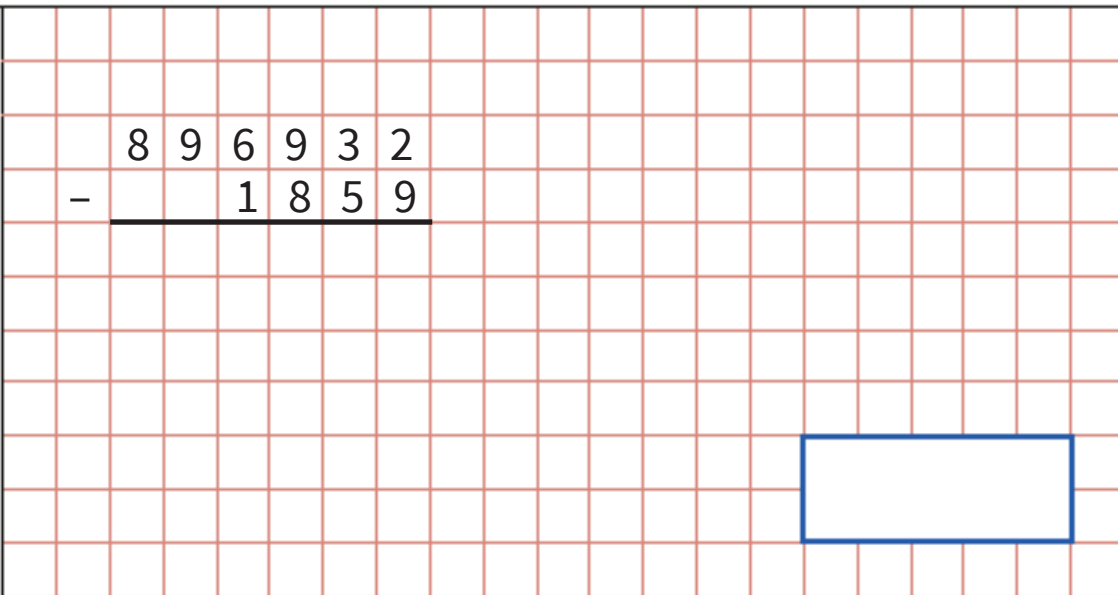
$60 \times 60 =$



1 mark

5

$$\begin{array}{r} 896932 \\ - \quad 1859 \\ \hline \end{array}$$

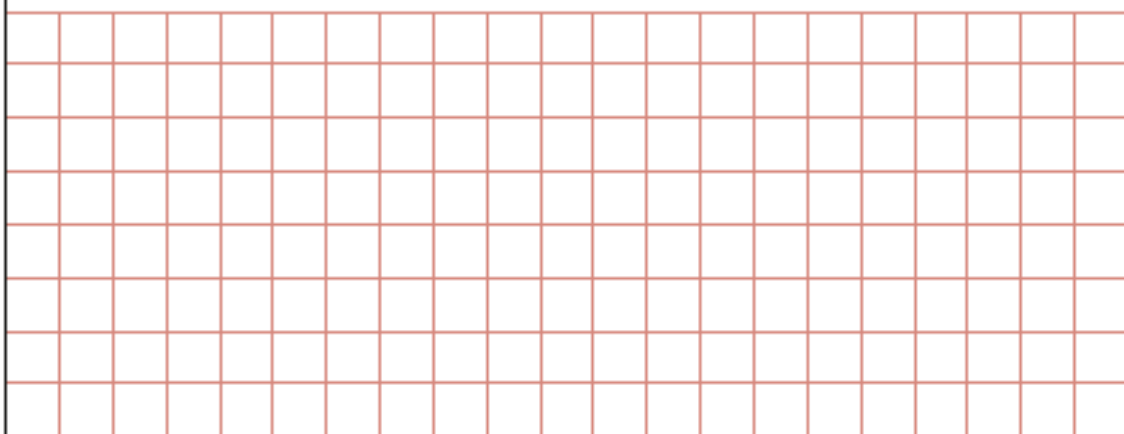


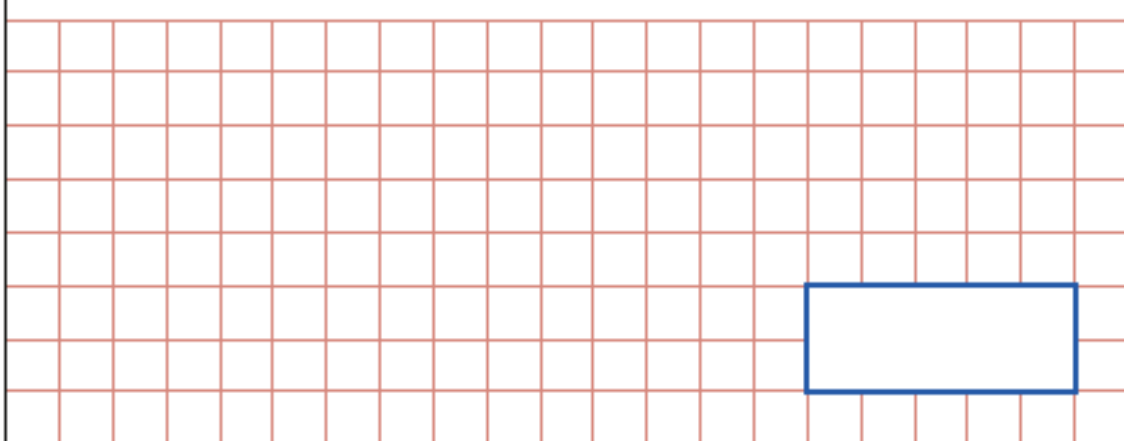
1 mark

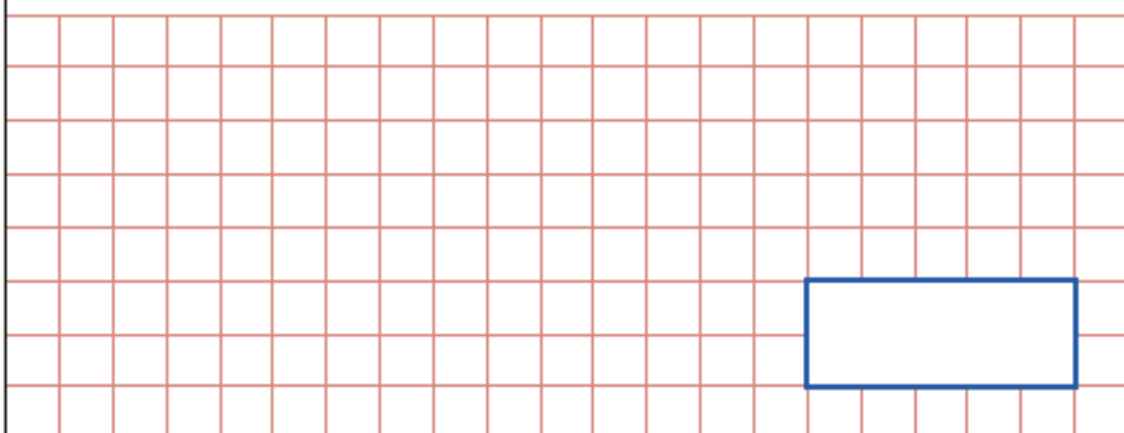
Answer Sheet


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. $879 \times 9 = \mathbf{7,911}$ (W)
2. $\mathbf{60} \div 3 = 20$ (M)
3. $\frac{3}{5} \times 2 = \frac{\mathbf{6}}{\mathbf{5}}$ or $\mathbf{1} \frac{\mathbf{1}}{\mathbf{5}}$ (M)
4. $60 \times 60 = \mathbf{3,600}$ (M)
5. $896,932 - 1,859 = \mathbf{895,073}$ (W)

| | | |
|---|--|---|
| 1 | $65 \times 13 =$  | <input data-bbox="1364 705 1444 795" type="checkbox"/> 2 marks |
|---|--|---|

| | | |
|---|--|--|
| 2 | $\frac{2}{7} \times 3 =$  | <input data-bbox="1364 1332 1444 1422" type="checkbox"/> 1 mark |
|---|--|--|

| | | |
|---|--|--|
| 3 | $25 \times 25 =$  | <input data-bbox="1364 1960 1444 2049" type="checkbox"/> 1 mark |
|---|--|--|

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|--|--|--|
| 4 | $\frac{1}{5}$ of <input data-bbox="392 295 668 409" type="text"/> = 15 | <input data-bbox="1390 705 1469 779" type="checkbox"/> 1 mark |
|  | | |

| | | |
|--|-----------|--|
| 5 | 392 ÷ 6 = | <input data-bbox="1390 1301 1469 1375" type="checkbox"/> 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. $65 \times 13 = \mathbf{845}$ (W)

2. $\frac{2}{7} \times 3 = \frac{\mathbf{6}}{7}$ (M)

3. $25 \times 25 = \mathbf{625}$ (M)

4. $\frac{1}{5}$ of $\mathbf{75} = 15$ (M)

5. $392 \div 6 = \mathbf{65 \text{ r } 2}$ or $\mathbf{65 \frac{2}{6}}$ or $\mathbf{65 \frac{1}{3}}$ or $\mathbf{65.33}$ (W)