

# Fluent in Five

Daily Arithmetic Practice  
Week 8

Year 6

## Year 6 - Week 8

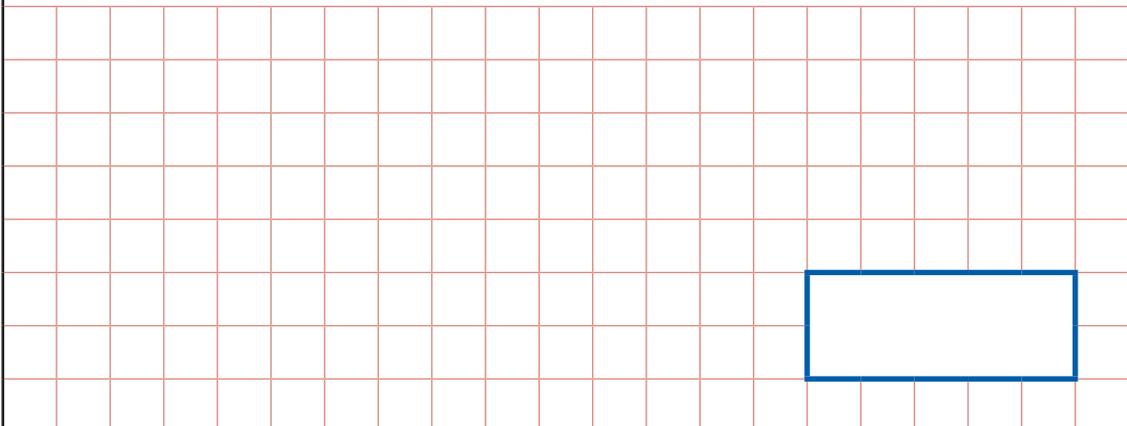
Please note, we always recommend reading 'Your Guide to Using Fluent in Five' before using these resources with your class.

### This week in a nutshell

- The addition of fractions presented as mixed numbers is introduced for the first time.
- Pupils are also introduced to multiplying fractions by whole numbers.

**Note:** For both of these styles of questions, answers can be given in any equivalent form.

- Pupils are introduced to the squared notation ( $^2$ ) for the first time.
- Mental multiplication and division skills from the previous 7 weeks are recapped throughout the week.
- Written methods continue to focus on long and short multiplication, short division and addition and subtraction of large numbers.

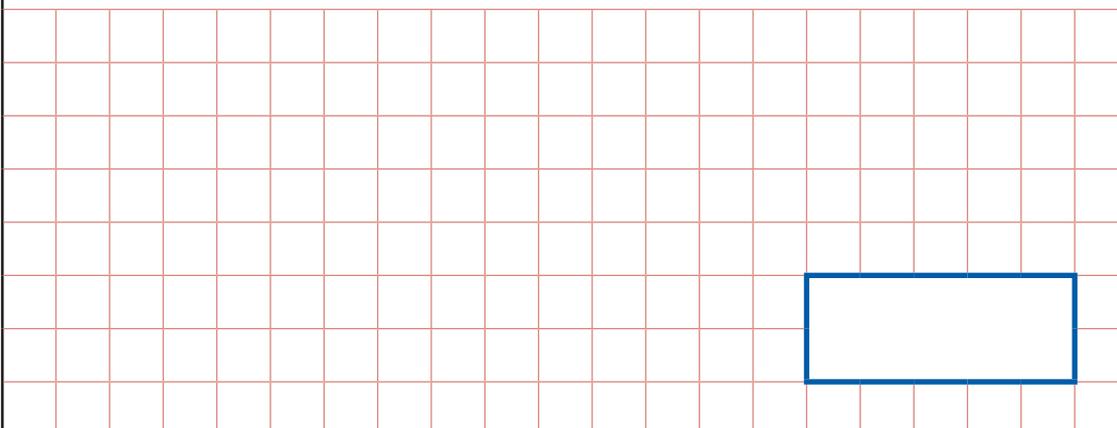
1	$57,694 + 67,896 =$  <input data-bbox="1029 712 1300 824" type="text"/>	<input data-bbox="1385 712 1465 790" type="checkbox"/> 1 mark
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2	$1\frac{1}{3} + 2\frac{1}{3} =$  <input data-bbox="1029 1330 1300 1442" type="text"/>	<input data-bbox="1385 1330 1465 1408" type="checkbox"/> 1 mark
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3	$3.21 \times 3 =$  <input data-bbox="1029 1953 1300 2065" type="text"/>	<input data-bbox="1385 1953 1465 2031" type="checkbox"/> 1 mark
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4

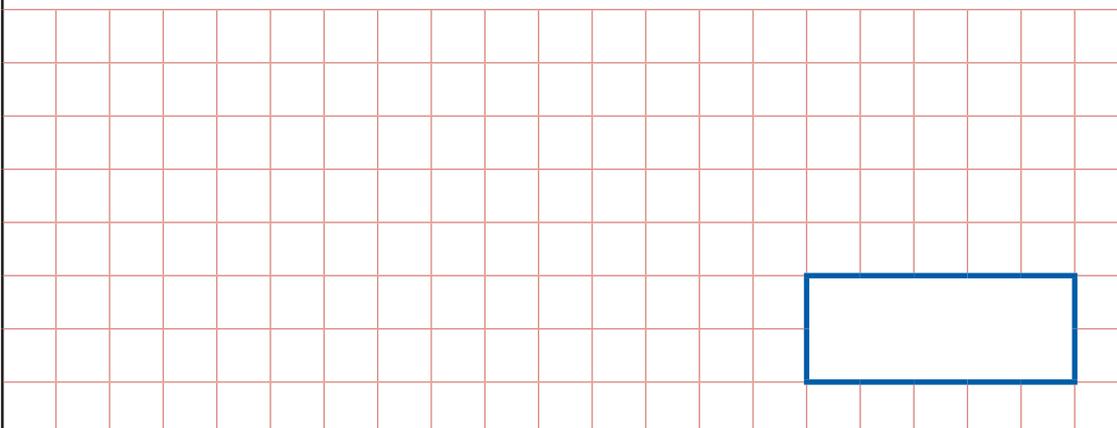
$$679,329 - 34,672 =$$



1 mark

5

$$3^2 =$$



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.

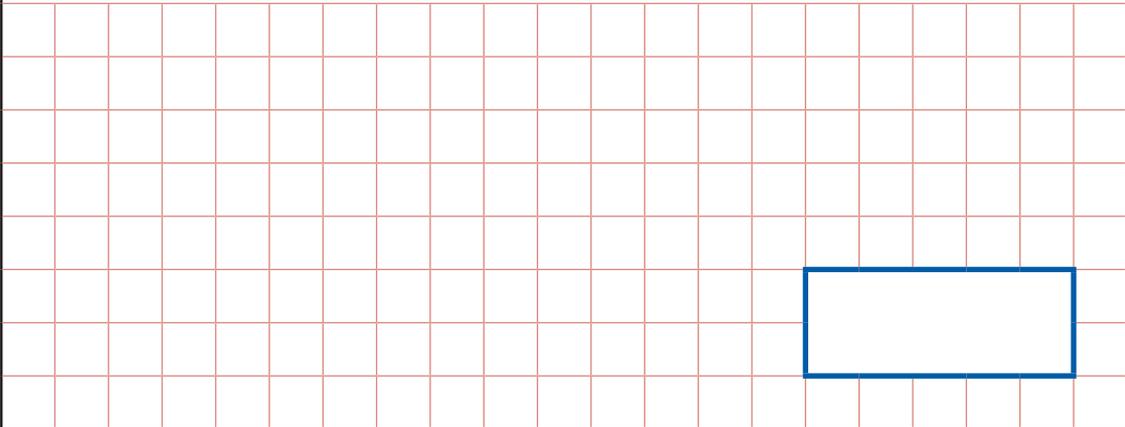
1.  $57,694 + 67,896 = \mathbf{125,590}$  (W)

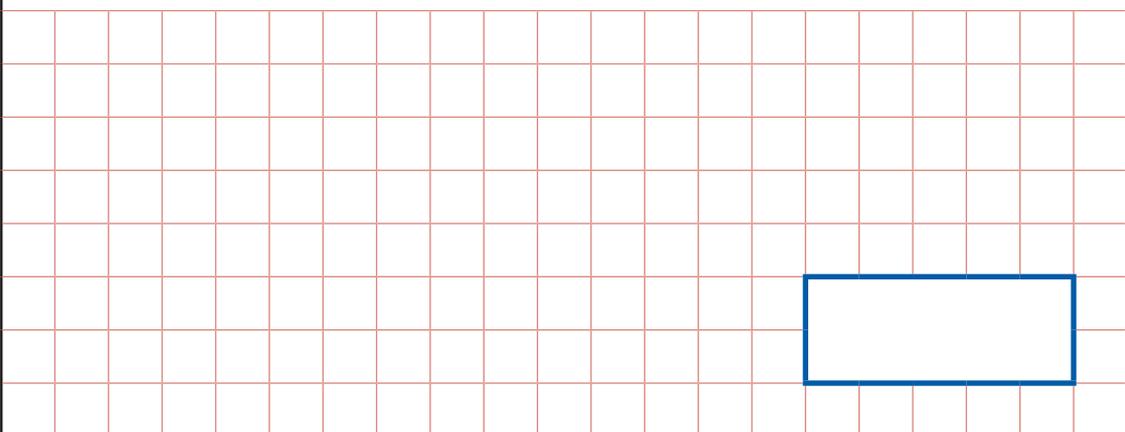
2.  $1\frac{1}{3} + 2\frac{1}{3} = \mathbf{3\frac{2}{3}}$  (M)

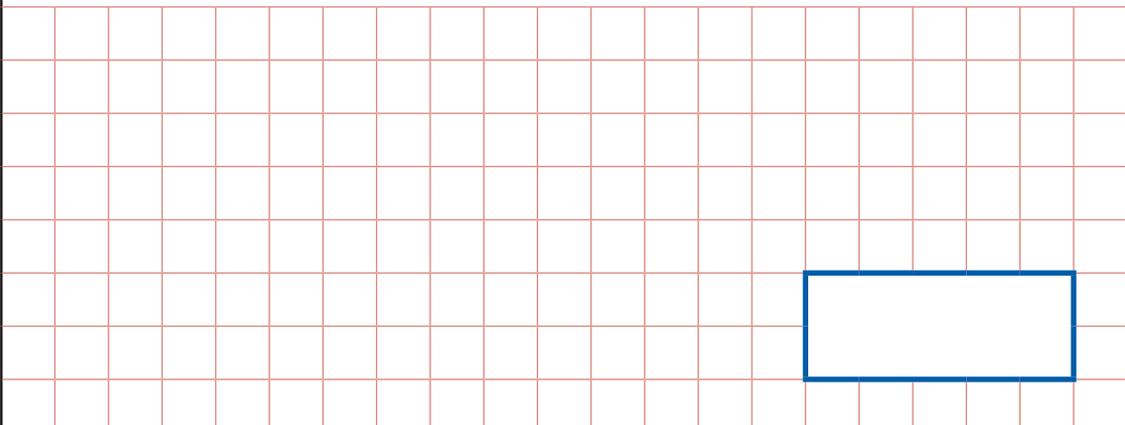
3.  $3.21 \times 3 = \mathbf{9.63}$  (M)

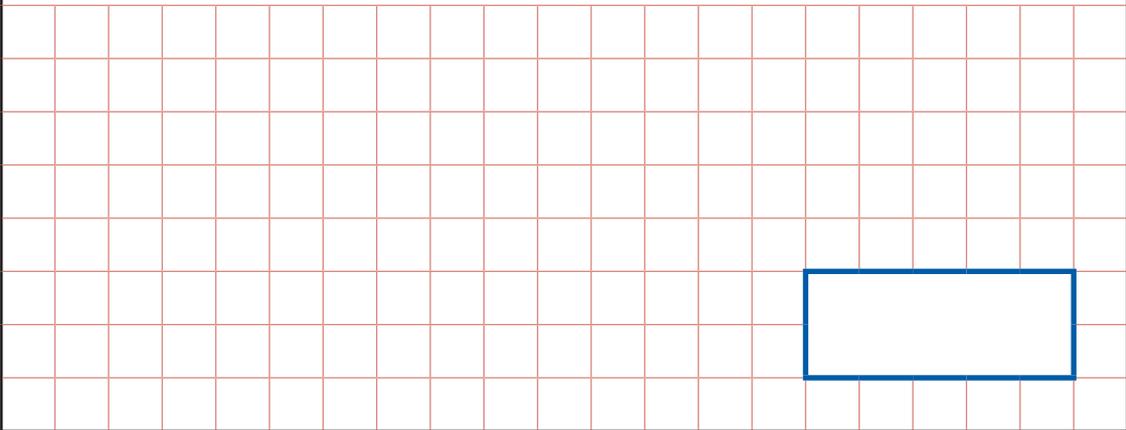
4.  $679,329 - 34,672 = \mathbf{644,657}$  (W)

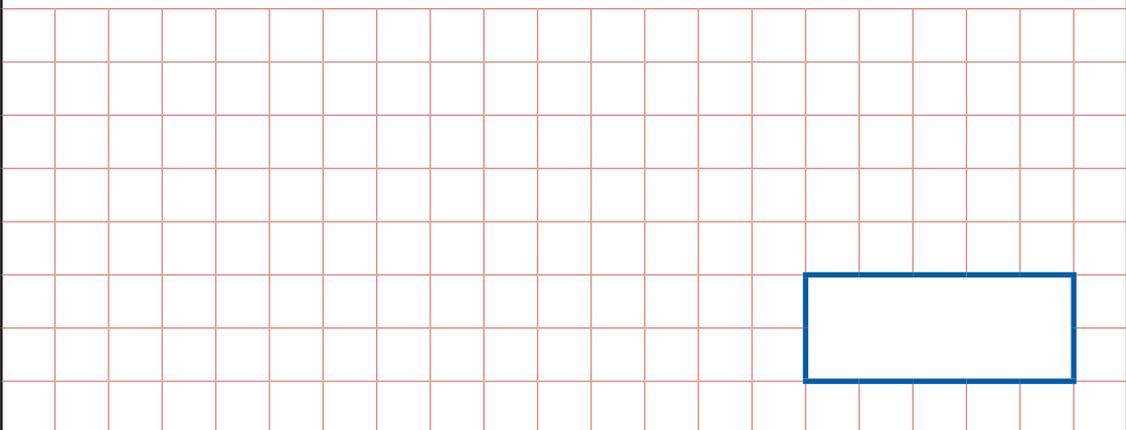
5.  $3^2 = \mathbf{9}$  (M)

1	$347 \times 6 =$ 	<input data-bbox="1388 705 1468 795" type="checkbox"/> 1 mark
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2	$9,832 + 124,866 =$ 	<input data-bbox="1388 1332 1468 1422" type="checkbox"/> 1 mark
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3	$6\frac{1}{3} + 1\frac{2}{3} =$ 	<input data-bbox="1388 1960 1468 2049" type="checkbox"/> 1 mark
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4	$3.43 \times 3 =$ 	<input data-bbox="1390 712 1469 792" type="checkbox"/> 1 mark
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5	$\frac{2}{5} \times 3 =$ 	<input data-bbox="1390 1330 1469 1411" 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.  $9,832 + 124,866 = \mathbf{134,698}$  (W)

3.  $6\frac{1}{3} + 1\frac{2}{3} = \mathbf{8}$  (M)

4.  $3.43 \times 3 = \mathbf{10.29}$  (M)

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

<b>1</b>	$34 \times 21 =$	<div style="border: 2px solid blue; width: 150px; height: 40px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 40px; height: 30px; margin: 0 auto;"></div> 2 marks
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<b>2</b>	$784 \div 9 =$	<div style="border: 2px solid blue; width: 150px; height: 40px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 40px; height: 30px; margin: 0 auto;"></div> 1 mark
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<b>3</b>	$3\frac{1}{4} + 1\frac{1}{4} =$	<div style="border: 2px solid blue; width: 150px; height: 40px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 40px; height: 30px; margin: 0 auto;"></div> 1 mark
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4	$\frac{1}{3}$ of <input data-bbox="384 293 659 405" type="text"/> = 21	<input data-bbox="1390 703 1469 779" type="checkbox"/> 1 mark
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5	$9^2$	<input data-bbox="1390 1326 1469 1402" 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.  $34 \times 21 = \mathbf{714}$  (W)

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

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

4.  $\frac{1}{3}$  of  $\mathbf{63} = 21$  (M)

5.  $9^2 = \mathbf{81}$  (M)

Name.....

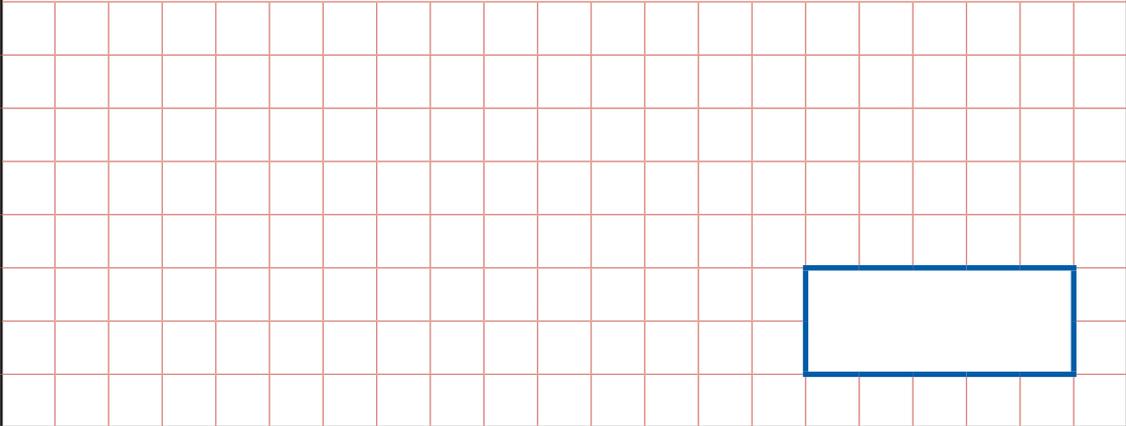
Date.....School.....

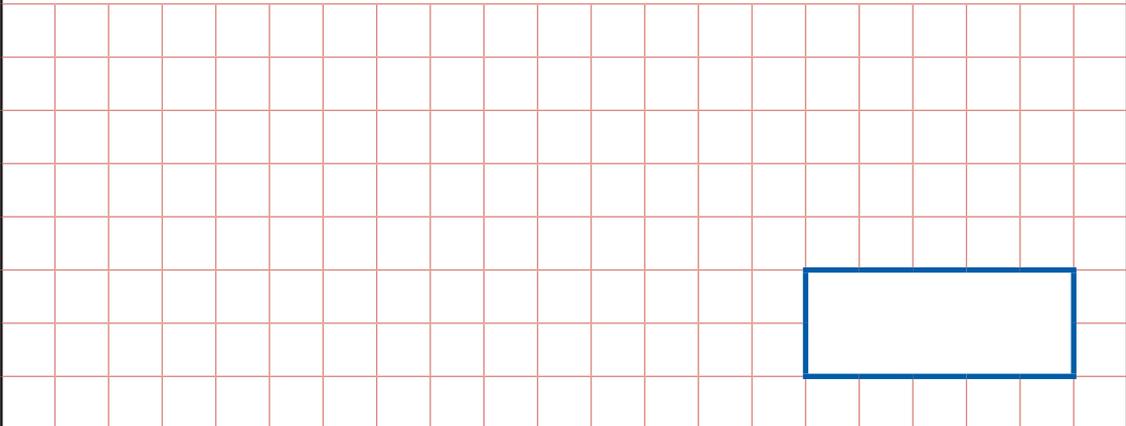
Class.....Score.....

<b>1</b>	$879 \times 9 =$	<div style="border: 1px solid blue; width: 150px; height: 30px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 40px; height: 30px; margin: 0 auto;"></div> <p>1 mark</p>
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<b>2</b>	<div style="border: 1px solid blue; width: 150px; height: 40px; display: inline-block; margin-right: 10px;"></div> $\div 3 = 1.45$	<div style="border: 1px solid blue; width: 150px; height: 30px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 40px; height: 30px; margin: 0 auto;"></div> <p>1 mark</p>
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<b>3</b>	$\frac{3}{5} \times 2 =$	<div style="border: 1px solid blue; width: 150px; height: 30px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 40px; height: 30px; margin: 0 auto;"></div> <p>1 mark</p>
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4	$12^2 =$ 	<input data-bbox="1390 696 1469 775" type="checkbox"/> 1 mark
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5	$896,932 - 1,859 =$ 	<input data-bbox="1390 1323 1469 1402" 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.

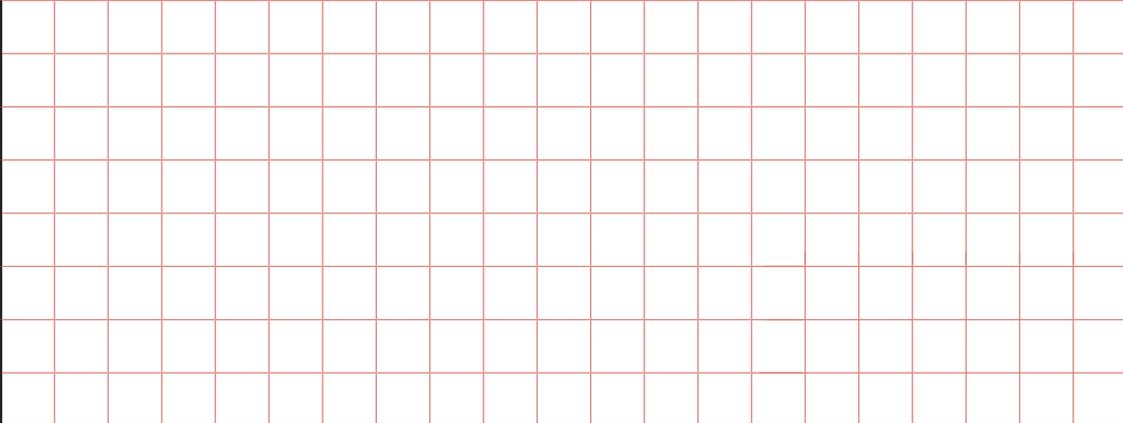
1.  $879 \times 9 = \mathbf{7,911}$  (W)

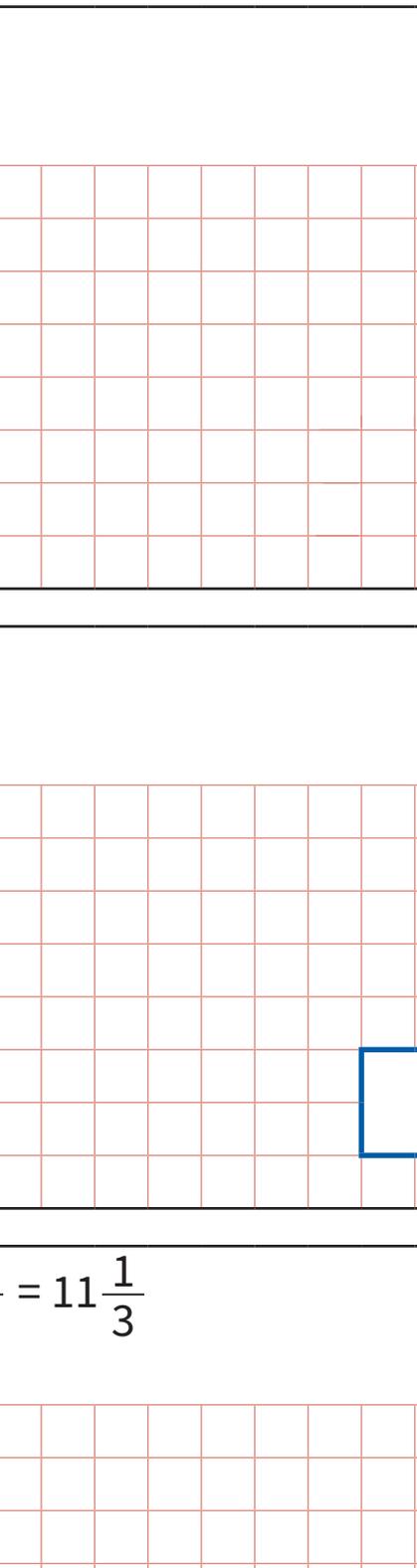
2.  $\mathbf{4.35} \div 3 = 1.45$  (M)

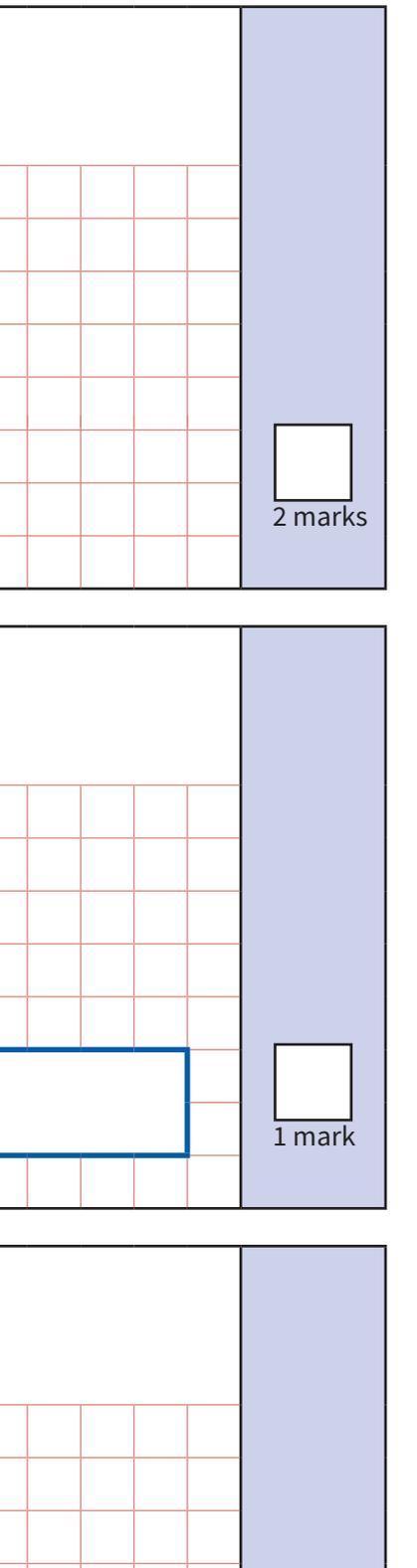
3.  $\frac{3}{5} \times 2 = \frac{\mathbf{6}}{\mathbf{5}}$  or  $\mathbf{1\frac{1}{5}}$  (M)

4.  $12^2 = \mathbf{144}$  (M)

5.  $896,932 - 1,859 = \mathbf{895,073}$  (W)

<b>1</b>	$65 \times 13 =$	<input type="checkbox"/> 2 marks
		

<b>2</b>	$\frac{2}{7} \times 3 =$	<input type="checkbox"/> 1 mark
		

<b>3</b>	<input style="width: 150px; height: 30px; border: 2px solid blue;" type="text"/> $- 1\frac{1}{3} = 11\frac{1}{3}$	<input type="checkbox"/> 1 mark
		

4

$$\frac{3}{5} \text{ of } \boxed{\phantom{0000}} = 15$$

1 mark

5

$$6 \overline{) 392}$$

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.  $\mathbf{12\frac{2}{3}} - 1\frac{1}{3} = 11\frac{1}{3}$  (M)

4.  $\frac{3}{5}$  of  $\mathbf{25} = 15$  (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)