

Fluent in Five

Daily Arithmetic Practice
Week 9

Year 6

Year 6 - Week 9

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

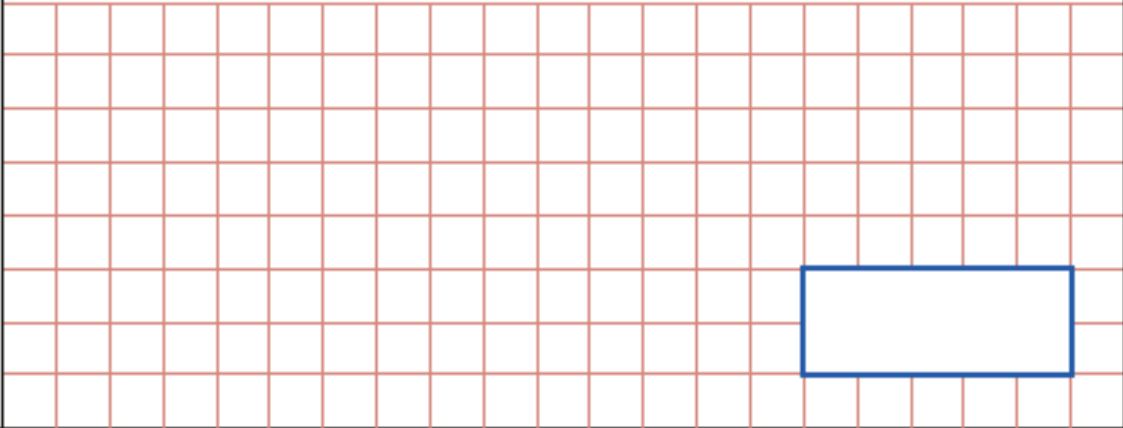
This week, the number of questions has increased to 6, with 2 of these being questions which require a written method. Pupil's speed of response should have increased over the previous 8 weeks. With this in mind, answering the increased number of questions within 5 minutes should be achievable for most by the end of this week.

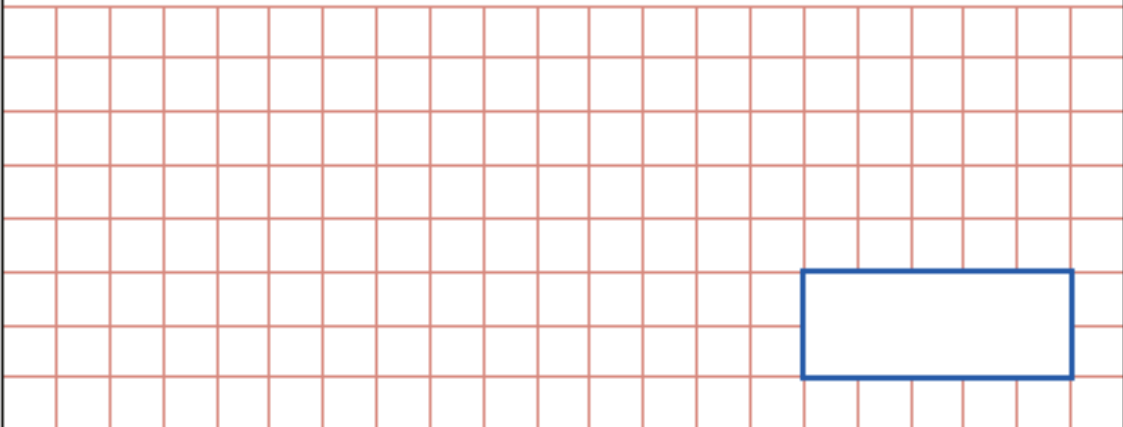
- Mental multiplication, division, addition and subtraction content from the previous 8 weeks is recapped.
- Pupils are introduced to cubed numbers for the first time.
- Pupils are introduced to long division questions (which always carry 2 marks).
- The addition and subtraction of decimals using a formal written method is also introduced.


1	<div style="border: 1px solid blue; display: inline-block; width: 150px; height: 30px; margin-right: 10px;"></div> $\times 100 = 67,432 =$	<div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto;"></div> <p>1 mark</p>
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2	$345 \div 13 =$	<div style="border: 1px solid blue; display: inline-block; width: 150px; height: 30px; margin: 0 auto;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto;"></div> <p>2 marks</p>
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3	$\frac{1}{3} \times \frac{1}{3} =$	<div style="border: 1px solid blue; display: inline-block; width: 150px; height: 30px; margin: 0 auto;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto;"></div> <p>1 mark</p>
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4	$6.53 + 1.34 =$ 	<input data-bbox="1390 703 1469 779" type="checkbox"/> 1 mark
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5	$91.32 + 15.84 =$ 	<input data-bbox="1390 1328 1469 1404" type="checkbox"/> 1 mark
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6	$2^3 =$ 	<input data-bbox="1390 1955 1469 2031" 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. **674.32** $\times 100 = 67,432$ (M)

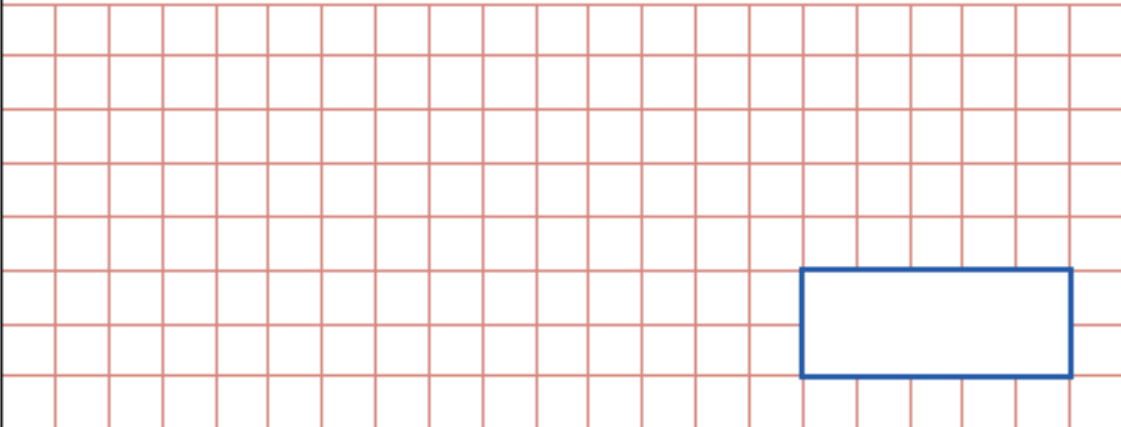
2. $345 \div 13 = \mathbf{26 \text{ r } 7}$ (W)


3. $\frac{1}{3} \times \frac{1}{3} = \frac{\mathbf{1}}{\mathbf{9}}$ (M)

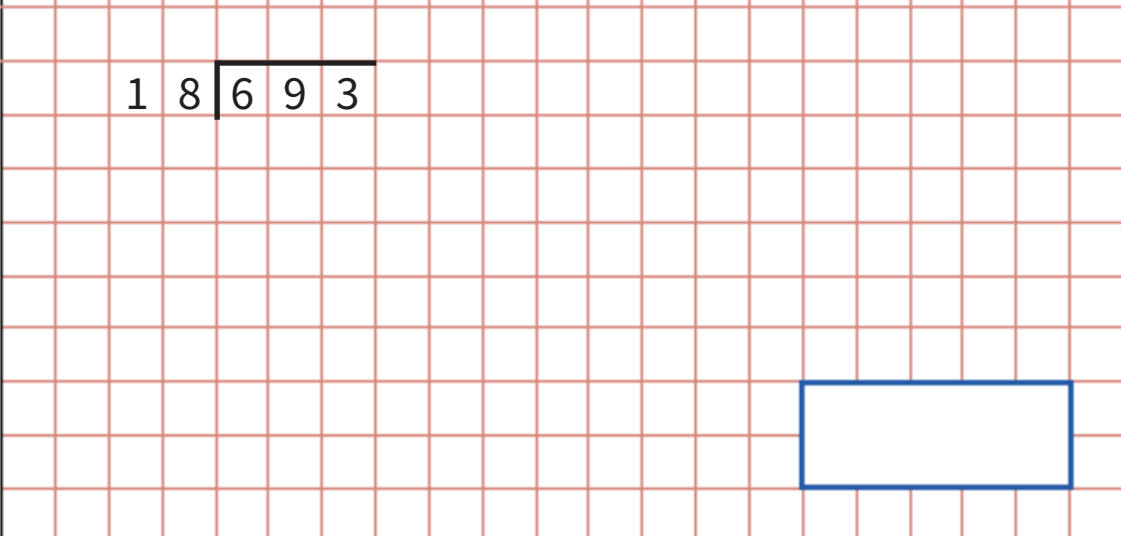
4. $6.53 + 1.34 = \mathbf{7.87}$ (M)

5. $91.32 + 15.84 = \mathbf{107.16}$ (W)

6. $2^3 = \mathbf{8}$ (M)

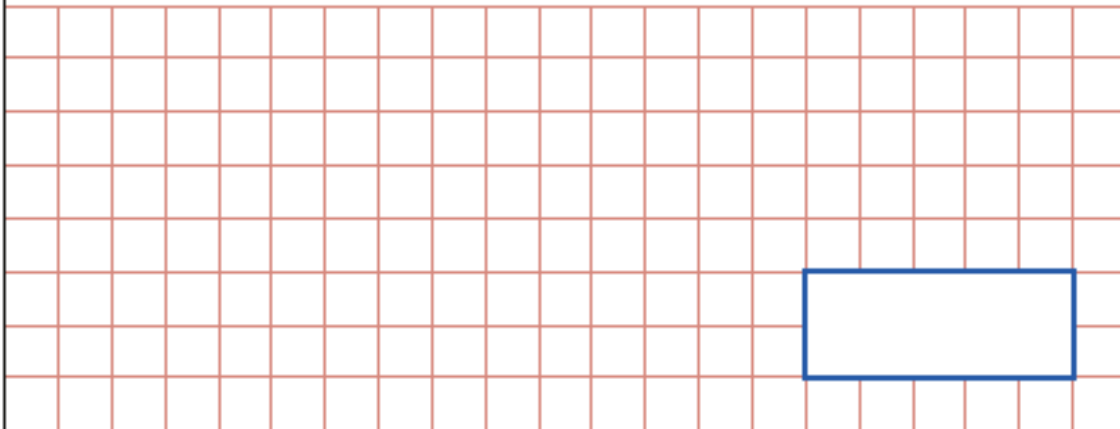
1	$7 \times 9 =$	
		<input style="width: 100px; height: 30px;" type="text"/>
		<input type="checkbox"/> 1 mark

2	$653 \div 100 =$	
		<input style="width: 100px; height: 30px;" type="text"/>
		<input type="checkbox"/> 1 mark

3	$18 \overline{) 693}$	
		<input style="width: 100px; height: 30px;" type="text"/>
		<input type="checkbox"/> 2 marks

4

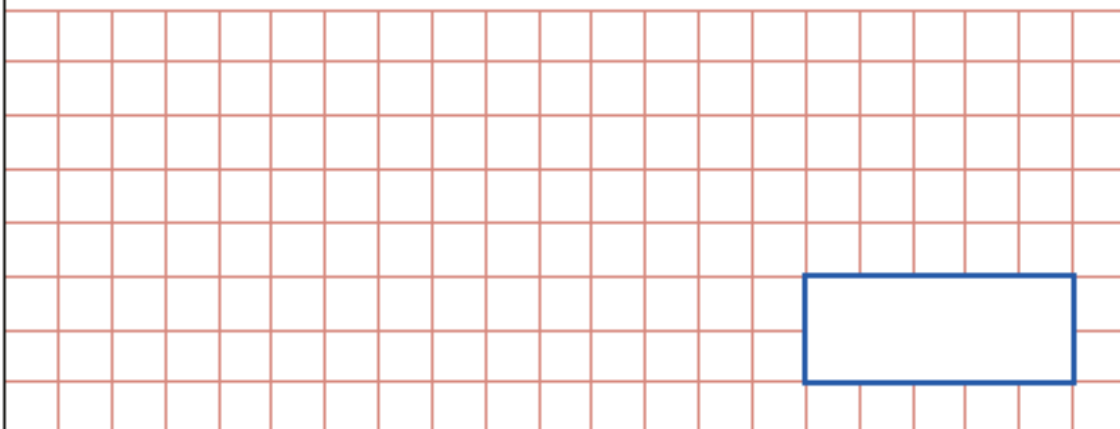
$$\frac{2}{5} \times \frac{1}{3} =$$



1 mark

5

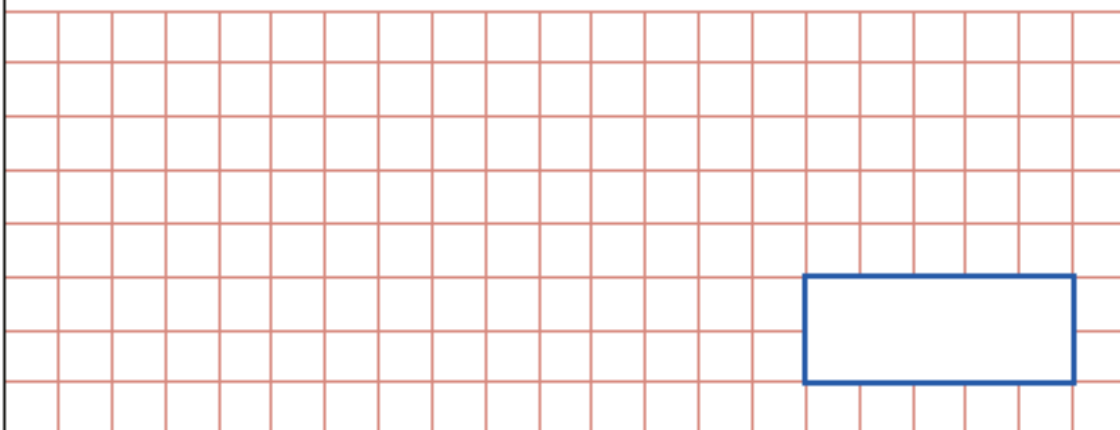
$$4^3 =$$



1 mark

6

$$87.32 + 13.78 =$$

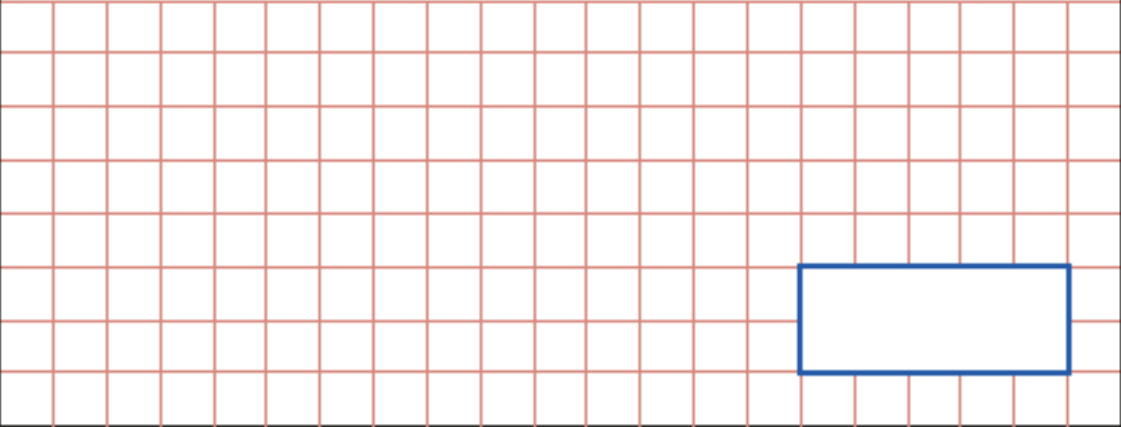


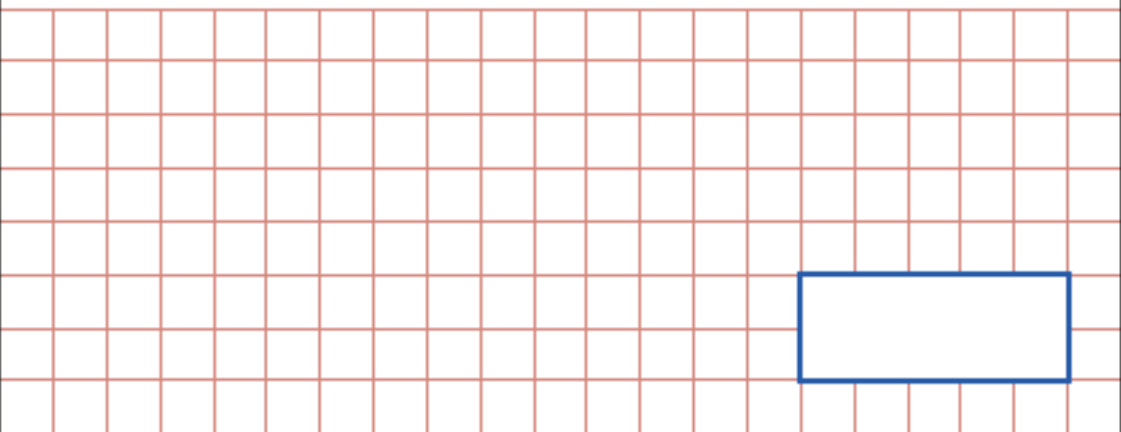
1 mark

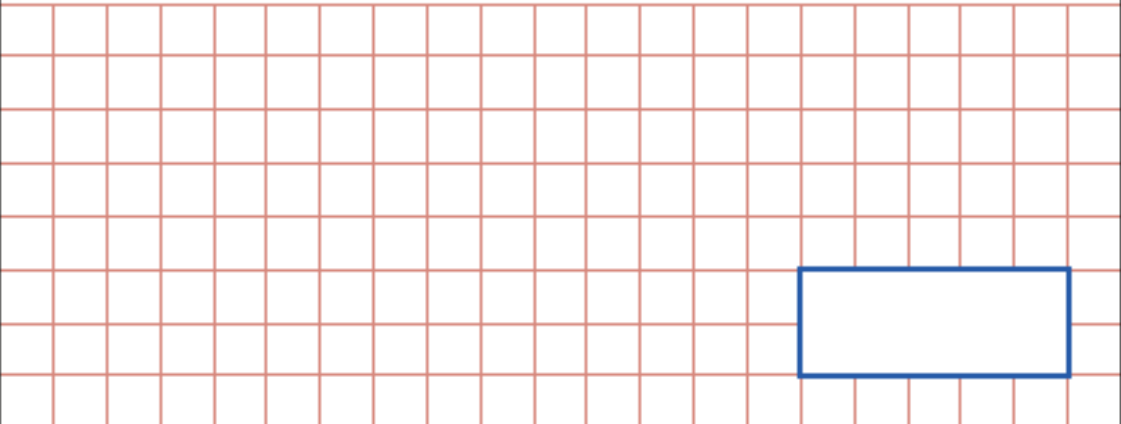
Answer Sheet

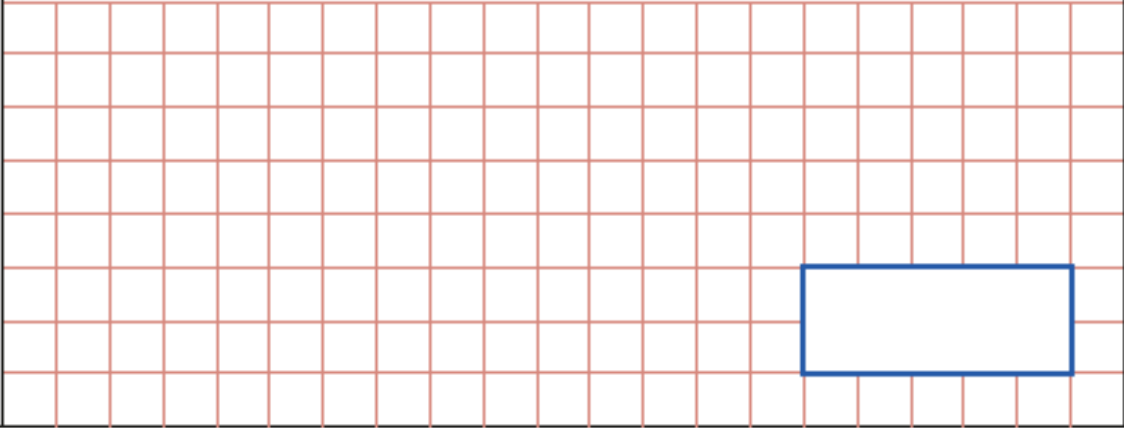
Remember, (M) is written next to those questions you should have tried to solve mentally first. (W) means a written method is usually more efficient for this question.

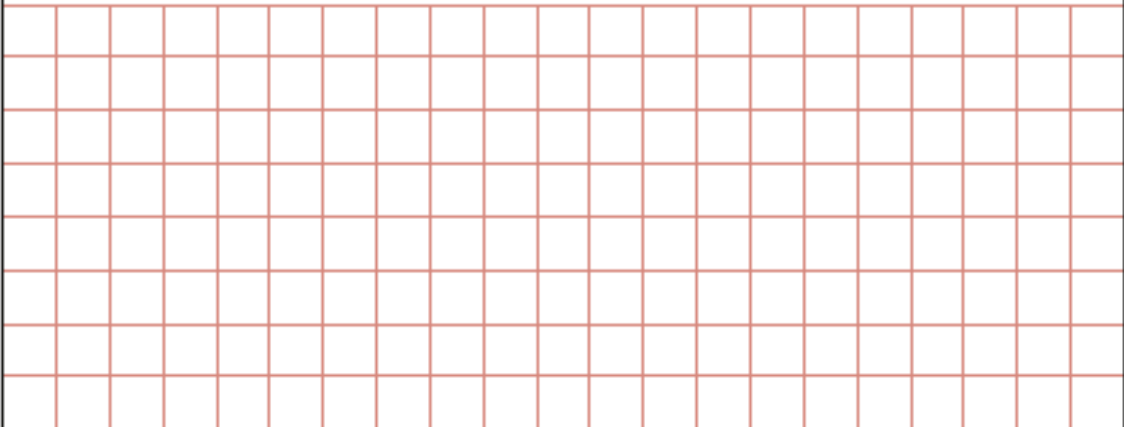
1. $7 \times 9 = \mathbf{63}$ (M)
2. $653 \div 100 = \mathbf{6.53}$ (M)
3. $693 \div 18 = \mathbf{38 \text{ r } 9}$ or $\mathbf{38 \frac{1}{2}}$ or $\mathbf{38.5}$ (W)
4. $\frac{2}{5} \times \frac{1}{3} = \frac{\mathbf{2}}{\mathbf{15}}$ (M)
5. $4^3 = \mathbf{64}$ (M)
6. $87.32 + 13.78 = \mathbf{101.1}$ (W)


1	$65 + 85 =$		<input type="checkbox"/> 1 mark
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2	$9,932 - 3,876 =$		<input type="checkbox"/> 1 mark
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3	$\frac{2}{3} + \frac{2}{3} =$		<input type="checkbox"/> 1 mark
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4	$653 \div 21 =$ 	<input data-bbox="1388 705 1468 784" type="checkbox"/> 2 marks
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5	<input data-bbox="279 918 550 1030" type="text"/> + 200 = 860 	<input data-bbox="1388 1332 1468 1411" type="checkbox"/> 1 mark
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6	$\frac{4}{7} \times \frac{1}{2} =$ 	<input data-bbox="1388 1948 1468 2027" 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. $65 + 85 = \mathbf{150}$ (M)

2. $9,932 - 3,876 = \mathbf{6,056}$ (W)

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

4. $653 \div 21 = \mathbf{31\ r\ 2}$ (W)

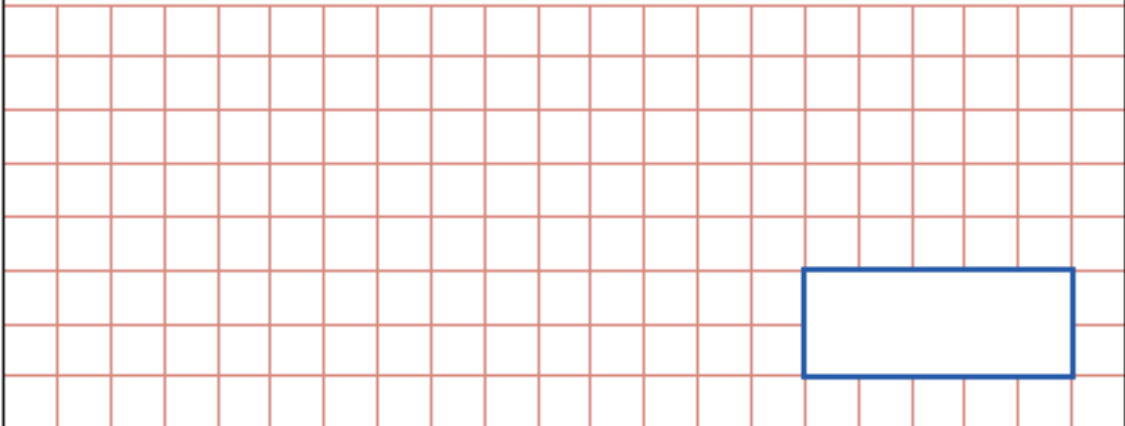
5. $\mathbf{660} + 200 = 860$ (M)

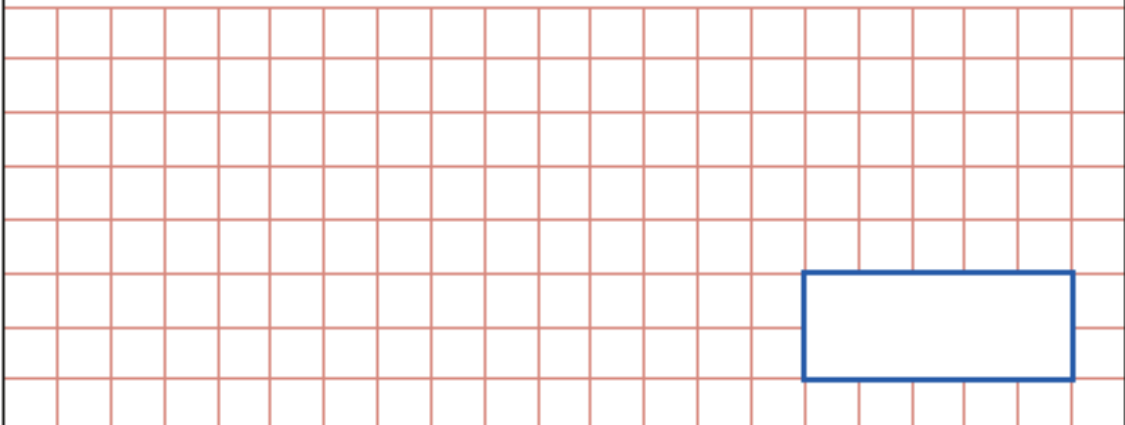
6. $\frac{4}{7} \times \frac{1}{2} = \frac{\mathbf{4}}{\mathbf{14}}$ (M)

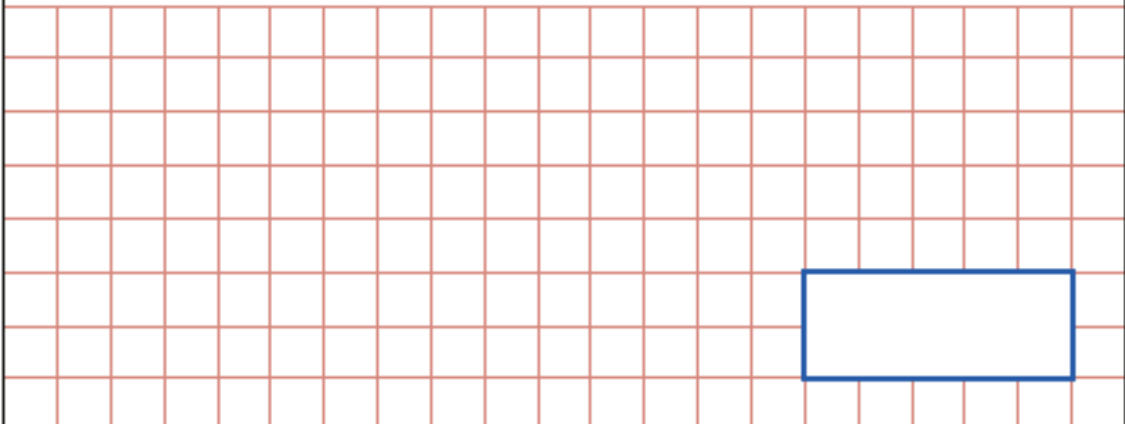
Name.....

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

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

1	$718.12 + 34.67 =$ 	<input data-bbox="1390 696 1469 775" type="checkbox"/> 1 mark
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2	$5.6 + 1.4 =$ 	<input data-bbox="1390 1317 1469 1395" type="checkbox"/> 1 mark
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3	$54 \times 21 =$ 	<input data-bbox="1390 1939 1469 2018" type="checkbox"/> 2 marks
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4

$$983 - 183 =$$

1 mark

5

$$5^3 =$$

1 mark

6

$$\frac{3}{4} \text{ of } 80 =$$

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. $718.12 + 34.67 = \mathbf{752.79}$ (W)

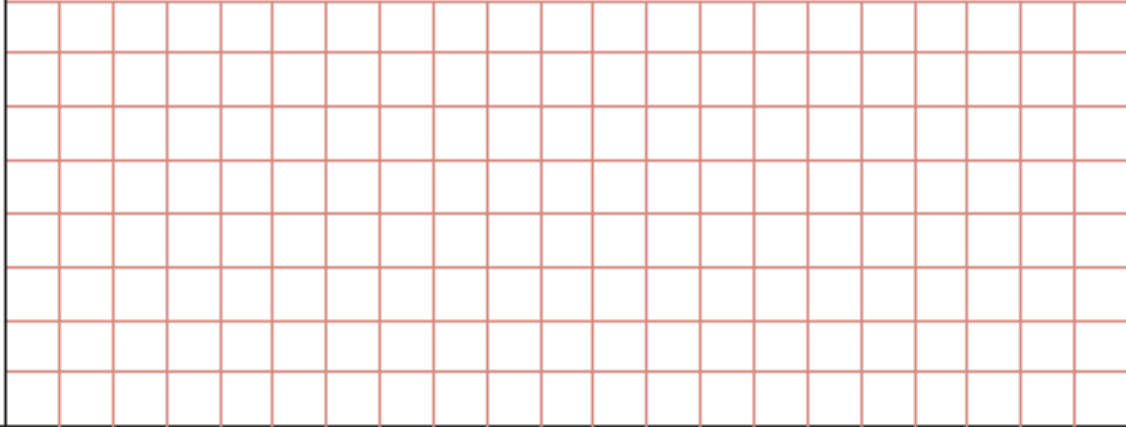
2. $5.6 + 1.4 = \mathbf{7}$ (M)

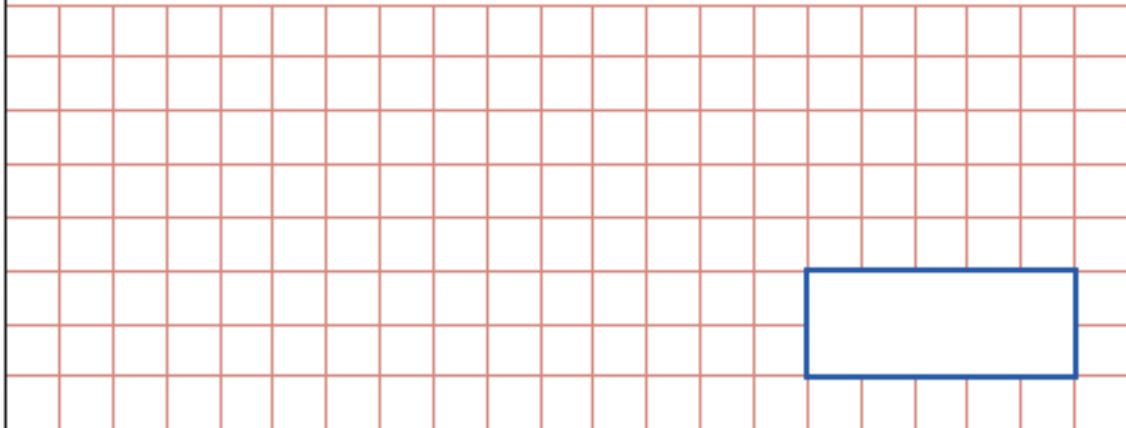
3. $54 \times 21 = \mathbf{1,134}$ (W)


4. $983 - 183 = \mathbf{800}$ (M)


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


6. $\frac{3}{4}$ of 80 = $\mathbf{60}$ (M)


1	$\frac{2}{5} \times 100 =$ 	<input data-bbox="1369 719 1449 797" type="checkbox"/> 1 mark
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2	$87.321 + 9.943 =$  <input data-bbox="1008 1346 1284 1458" type="text"/>	<input data-bbox="1369 1346 1449 1424" type="checkbox"/> 1 mark
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3	$873 \div 21 =$  <input data-bbox="1008 1968 1284 2080" type="text"/>	<input data-bbox="1369 1968 1449 2047" type="checkbox"/> 1 mark
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4	$\frac{1}{6} \times \frac{3}{5} =$ 	<input data-bbox="1390 707 1466 779" type="checkbox"/> 1 mark
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5	5,652 x 10 	<input data-bbox="1390 1330 1466 1402" type="checkbox"/> 1 mark
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6	60 x 30 = 	<input data-bbox="1390 1946 1466 2018" 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. $\frac{2}{5} \times 100 = \mathbf{40}$ (M)

2. $87.321 + 9.943 = \mathbf{97.264}$ (W)

3. $873 \div 21 = \mathbf{41 \text{ r } 12}$ (W)

4. $\frac{1}{6} \times \frac{3}{5} = \frac{\mathbf{3}}{\mathbf{30}}$ (M)

5. $5,652 \times 10 = \mathbf{56,520}$ (M)

6. $60 \times 30 = \mathbf{1,800}$ (M)