

Fluent in Five

Daily Arithmetic Practice
Week 15

Year 6

Year 6 - Week 15

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

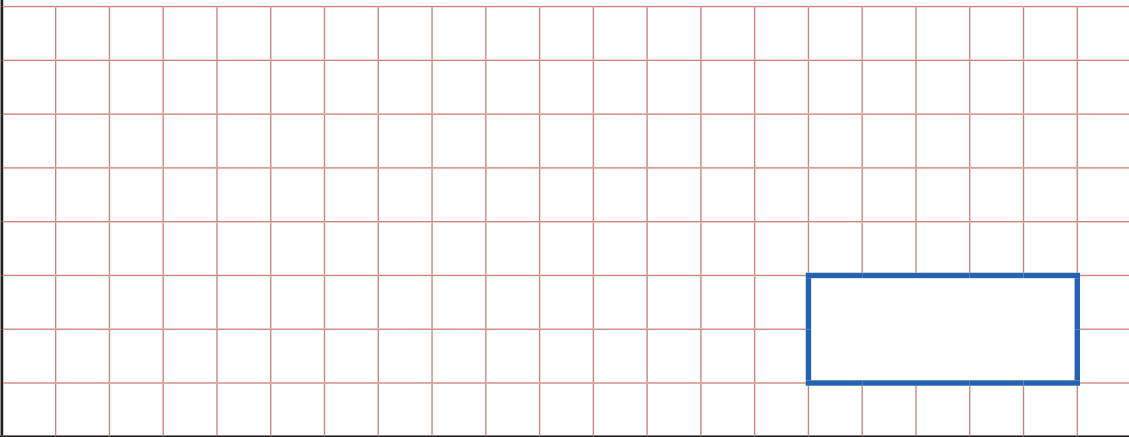
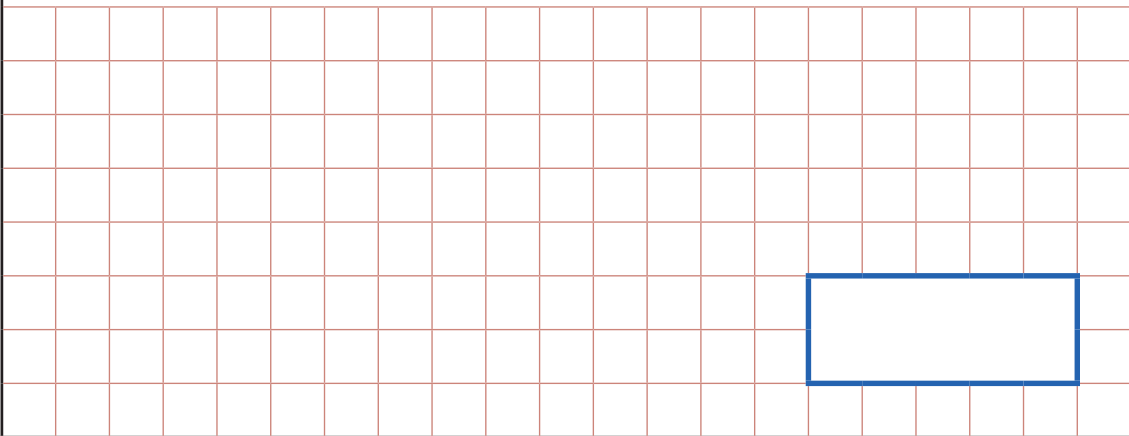
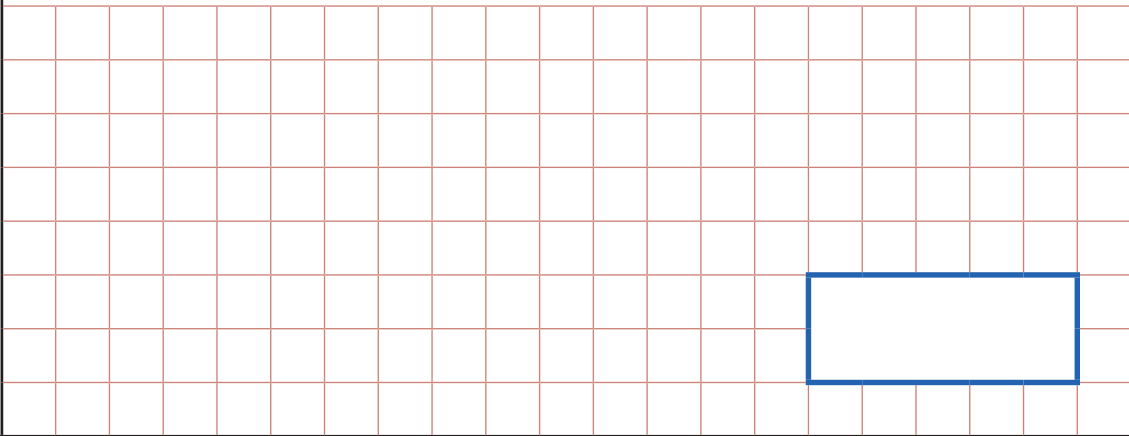
This week in a nutshell:

This week, pupils can challenge themselves by attempting a seventh challenge question in the time limit. This brings the demand of this resource closer to the expected speed in the Key Stage 2 arithmetic tests.

- There are now up to 3 questions each day that may be best completed using a written method.
- Mental multiplication and division this week requires pupils to use their knowledge of square and cube numbers.
- The order of operations also features in the questions best solved mentally.
- Mental addition and subtraction questions focus on adding and subtracting pairs of numbers with up to 4 digits.
- Written methods for addition and subtraction focus on the addition and subtraction of decimal numbers.

Name.....
Date.....School.....
Class.....Score.....

1	$50 \times 90 =$	1 mark
2	$784 \times 6 =$	1 mark
3	$(49 + 7) \div 7 =$	1 mark

4	$628 - 499 =$  	 1 mark
5	$34,371 + 32,588 =$  	 1 mark
6	$5,632 \times 24 =$  	 2 marks

Challenge yourself!

7	$57 + 25 =$	

Answer Sheet

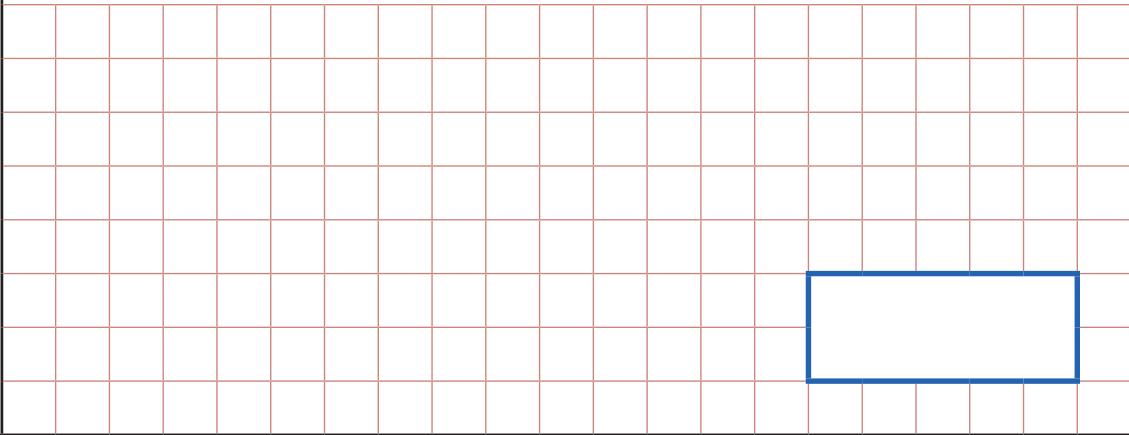
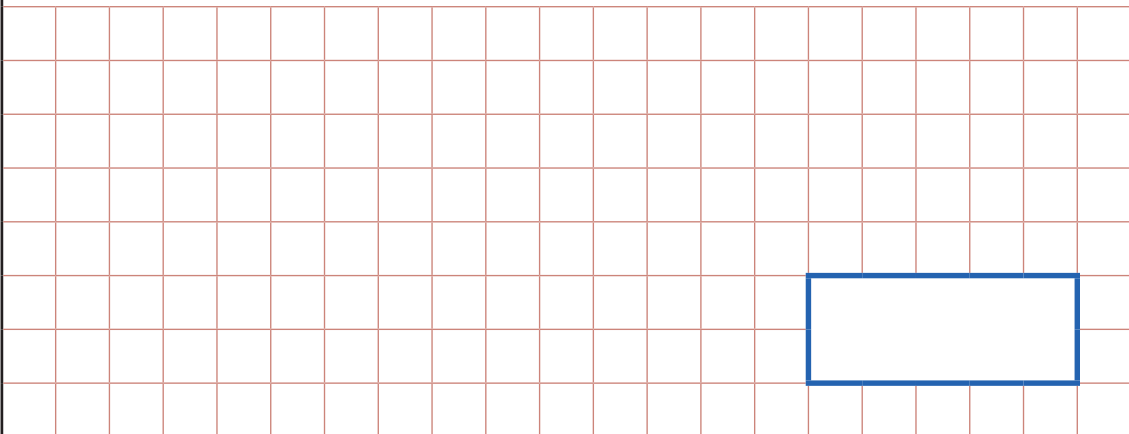
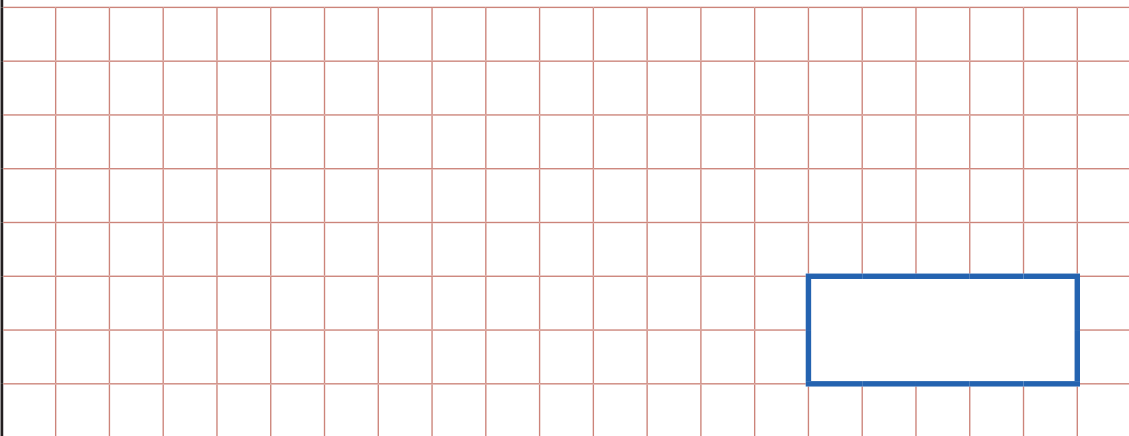
Remember, (M) is written next to those questions you should have tried to solve mentally first. (W) means a written method is usually more efficient for this question.

1. $50 \times 90 = \mathbf{4,500}$ (M)
2. $784 \times 6 = \mathbf{4,704}$ (W)
3. $(49 + 7) \div 7 = \mathbf{8}$ (M)
4. $628 - 499 = \mathbf{129}$ (M)
5. $34,371 + 32,588 = \mathbf{66,959}$ (W)
6. $5,632 \times 24 = \mathbf{135,168}$ (W)
7. $57 + 25 = \mathbf{82}$ (M)

1	$60 \times 4 =$		 1 mark
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2	$\boxed{}^2 = 81$		 1 mark
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3	$ \begin{array}{r} 6326 \\ \times \quad 22 \\ \hline \end{array} $		 2 marks
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4	$78 - 29 =$  	 1 mark
5	$881 \times 4 =$  	 1 mark
6	$43,002 + 39,845 =$  	 1 mark

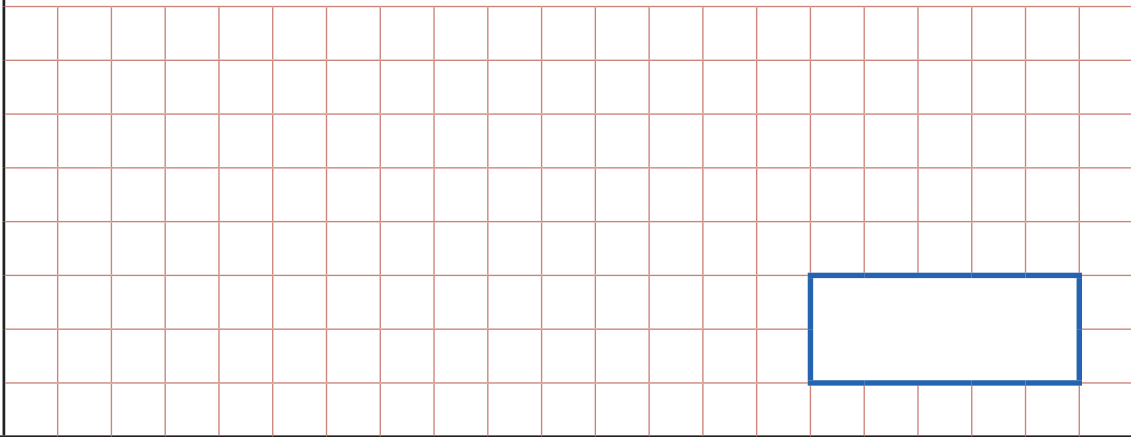
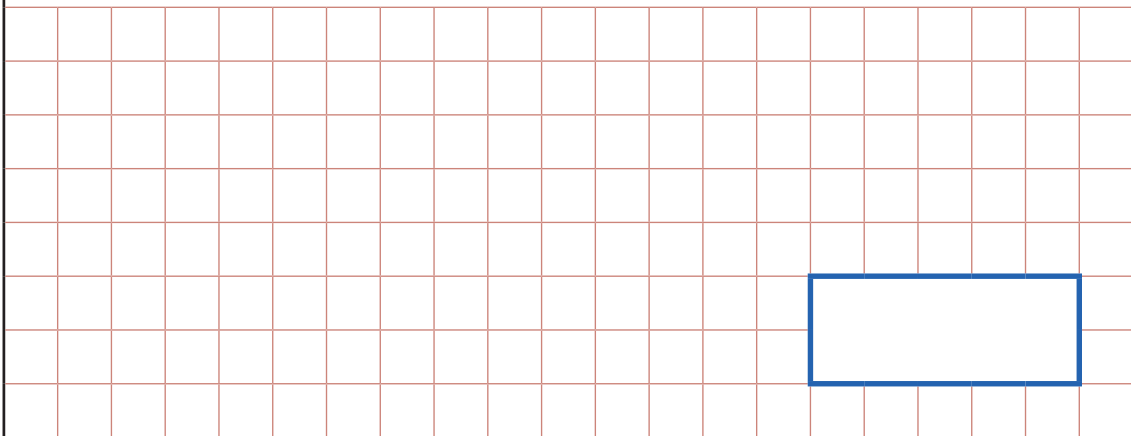
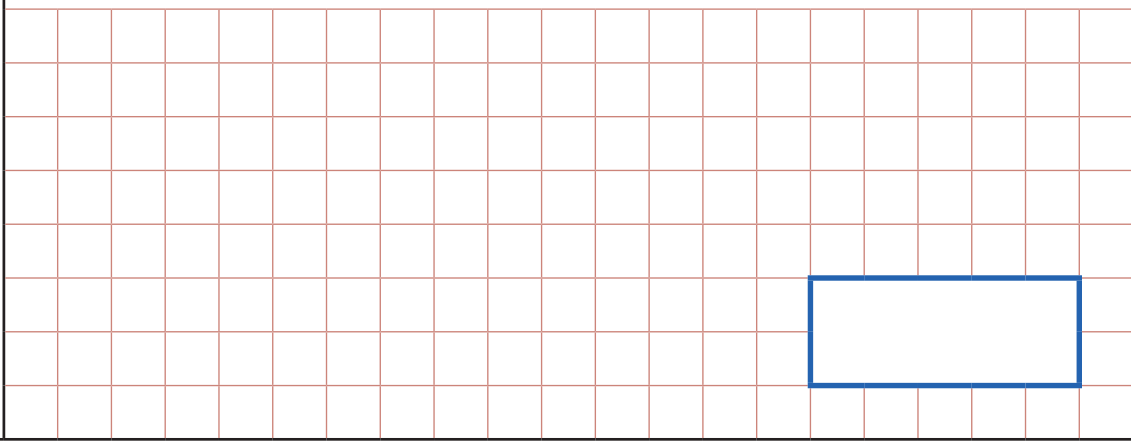
Challenge yourself!

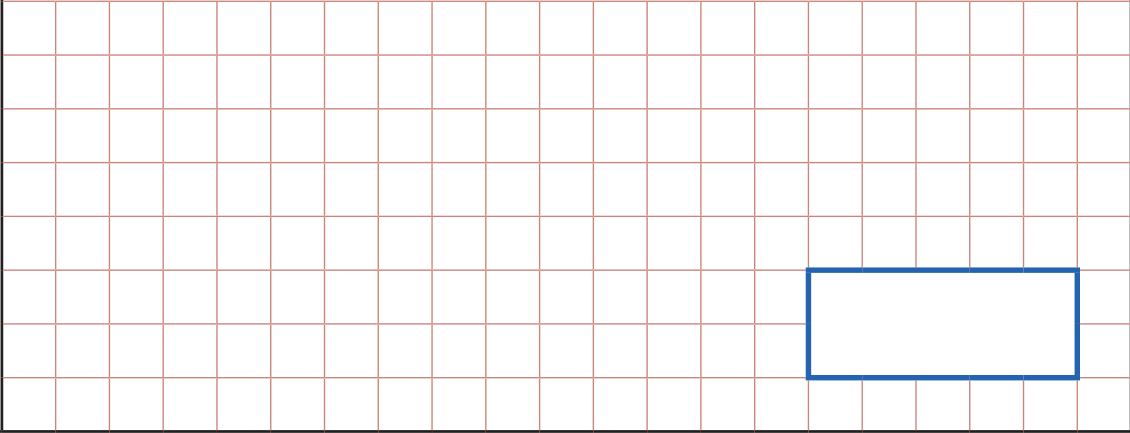
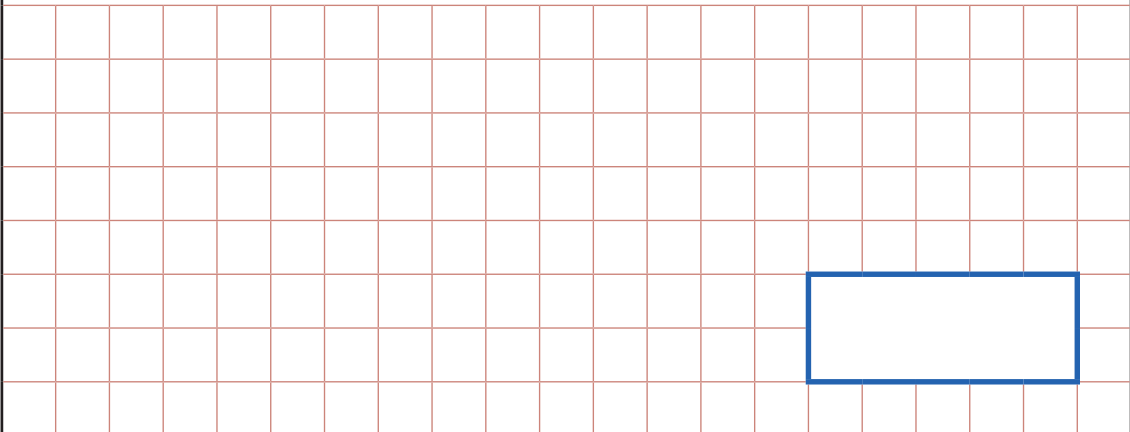
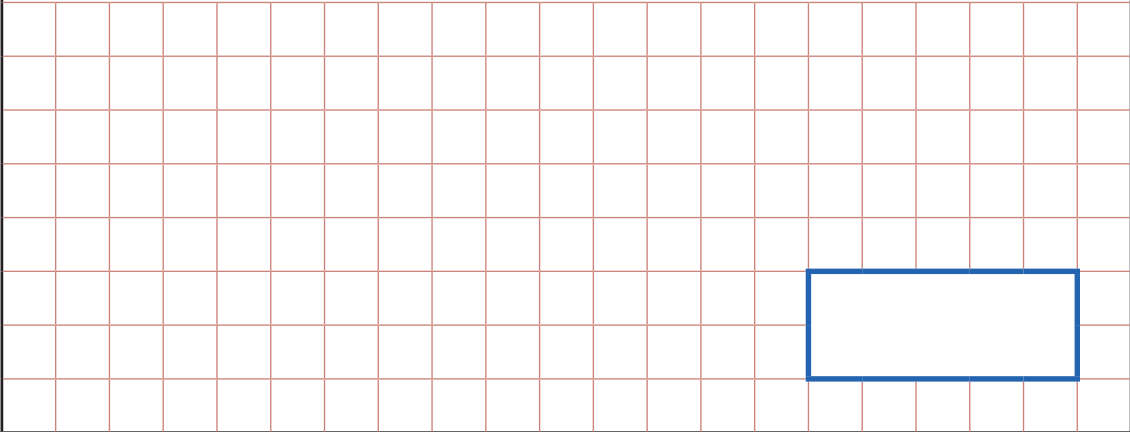
7	$50 \times 9 =$ 	1 mark
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Answer Sheet

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. $60 \times 4 = \mathbf{240}$ (M)
2. $9^2 = 81$ (M)
3. $6,326 \times 22 = \mathbf{139,172}$ (W)
4. $78 - 29 = \mathbf{49}$ (M)
5. $881 \times 4 = \mathbf{3,524}$ (W)
6. $43,002 + 39,845 = \mathbf{82,847}$ (W)
7. $50 \times 9 = \mathbf{450}$ (M)

1	$3 + 4 \times 10 =$  	 1 mark
2	$25.34 + 17.26 =$  	 1 mark
3	$6^3 =$  	 1 mark

4	$6 \times 2 \times 5 =$ 	1 mark
5	$202 \times 9 =$ 	1 mark
6	$30 \times 4 =$ 	1 mark

Challenge yourself!

7	$457 + 199 =$ 	 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. $3 + 4 \times 10 = \mathbf{43}$ (M)

2. $25.34 + 17.26 = \mathbf{42.6}$ or $\mathbf{42.60}$ (W)

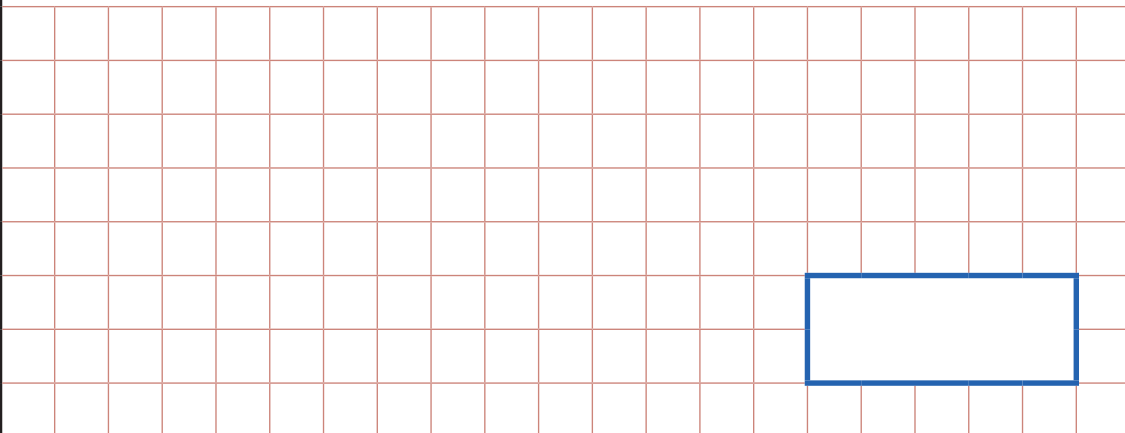
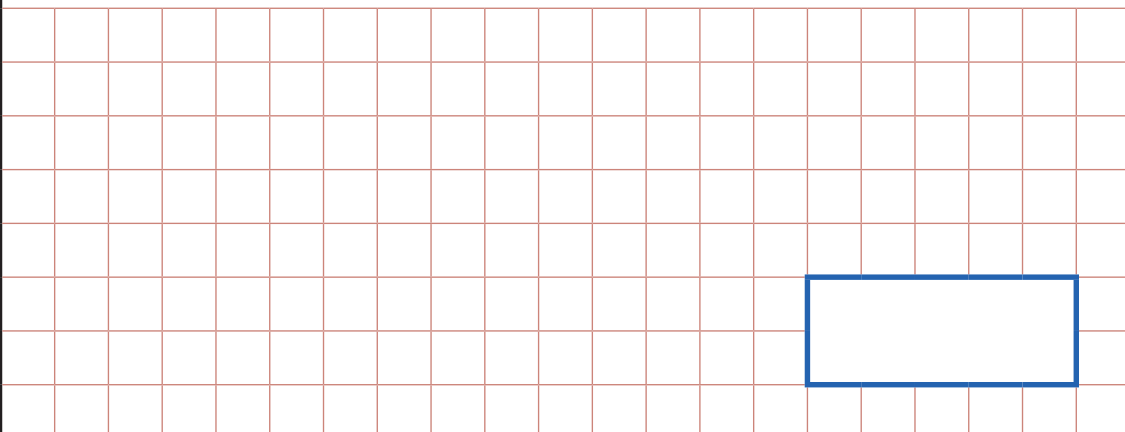
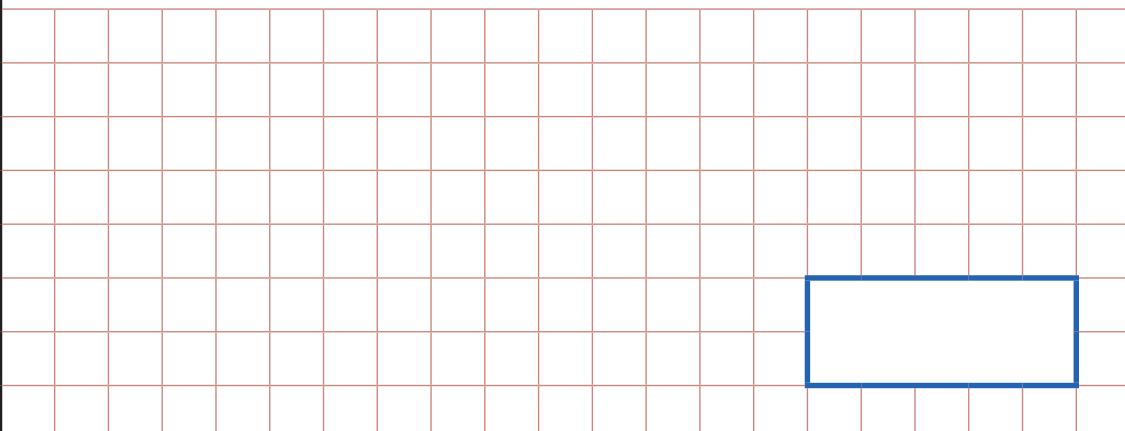
3. $6^3 = \mathbf{216}$ (M)

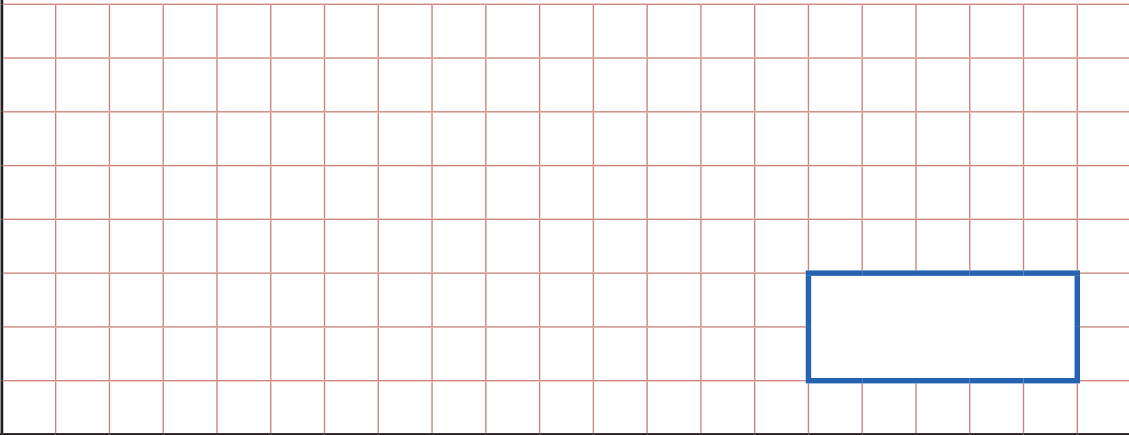
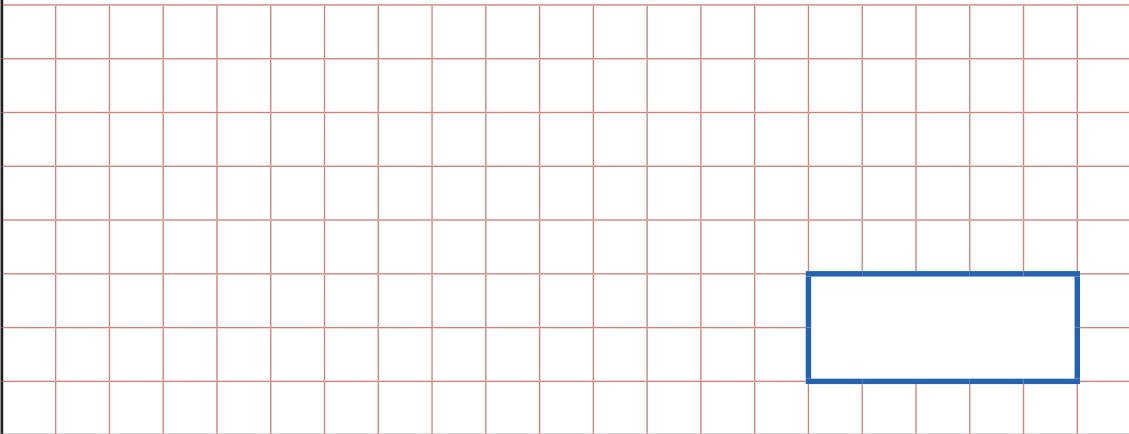
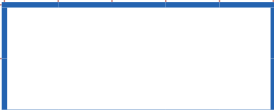
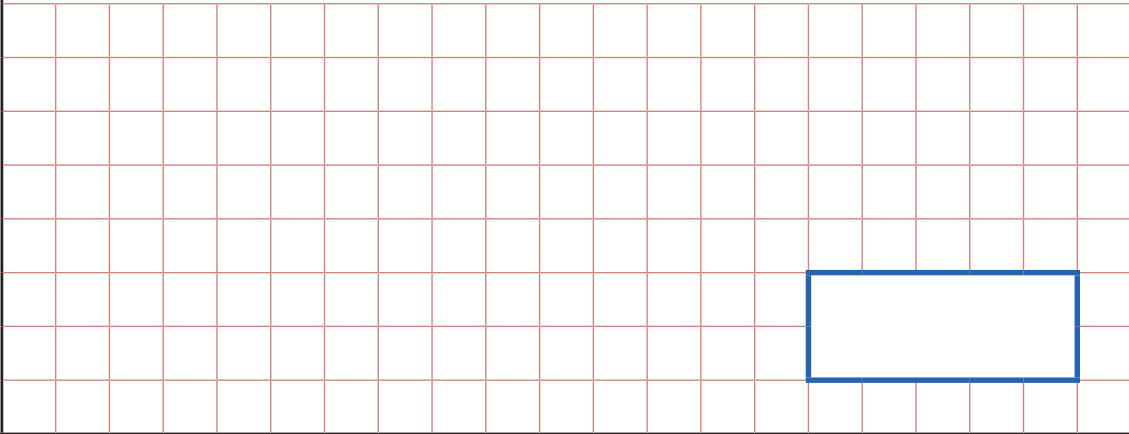
4. $6 \times 2 \times 5 = \mathbf{60}$ (M)

5. $202 \times 9 = \mathbf{1,818}$ (W)

6. $30 \times 4 = \mathbf{120}$ (M)

7. $457 + 199 = \mathbf{656}$ (M)

1	$46 \times 53 =$  	2 marks
2	$\frac{2}{3} \times \frac{1}{6} =$  	1 mark
3	$82,000 - 47,684 =$  	1 mark

4	$1.5 \times 3 =$  	 1 mark
5	$60 + 70 =$  	 1 mark
6	$5,064 \times 74 =$  	 2 marks

Challenge yourself!

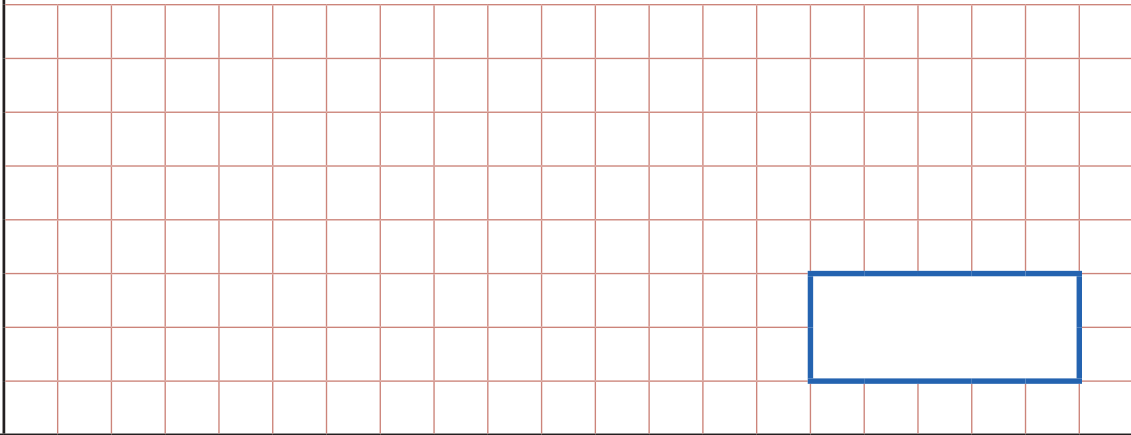
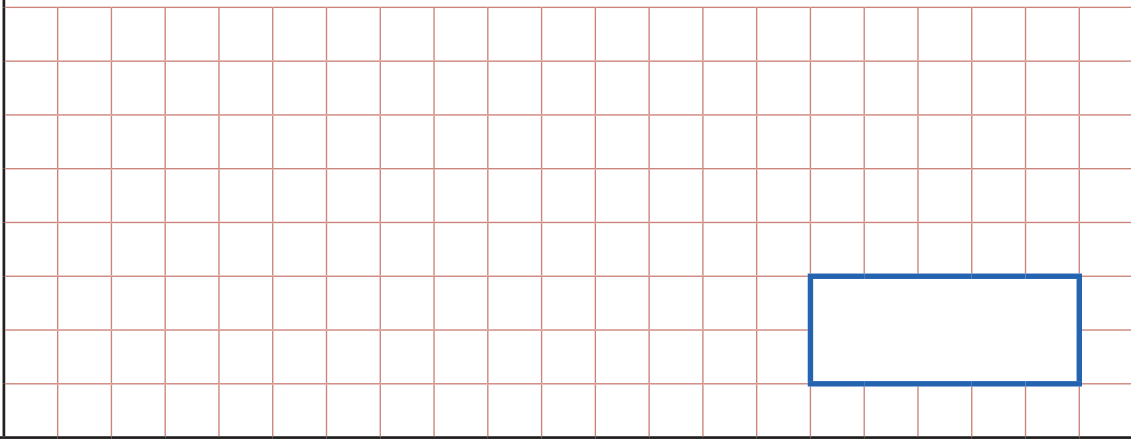
7	$(4 + 3) \times 7 =$																			
																				

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. $46 \times 53 = \mathbf{2,438}$ (W)
2. $\frac{2}{3} \times \frac{1}{6} = \frac{\mathbf{2}}{\mathbf{18}}$ or $\frac{\mathbf{1}}{\mathbf{9}}$ (M)
3. $82,000 - 47,684 = \mathbf{34,316}$ (W)
4. $1.5 \times 3 = \mathbf{4.5}$ (M)
5. $60 + 70 = \mathbf{130}$ (M)
6. $5,064 \times 74 = \mathbf{374,736}$ (W)
7. $(4 + 3) \times 7 = \mathbf{49}$ (M)

1	$14 - 3 \times 4 =$	1 mark
2	$270 \div 90 =$	1 mark
3	$\begin{array}{r} 6025 \\ + 3797 \\ \hline \end{array}$	1 mark

4	$70 \times 4 =$  	 1 mark
5	$36 \div 9 \times 4 =$  	 1 mark
6	$674 \times 5 =$  	 1 mark

Challenge yourself!

7	$\frac{2}{5} \times \frac{2}{5} =$	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. $14 - 3 \times 4 = \mathbf{2}$ (M)

2. $270 \div 90 = \mathbf{3}$ (M)

3. $6.025 + 3.797 = \mathbf{9.822}$ (W)

4. $70 \times 4 = \mathbf{280}$ (M)

5. $36 \div 9 \times 4 = \mathbf{16}$ (M)

6. $674 \times 5 = \mathbf{3,370}$ (W)

7. $\frac{2}{5} \times \frac{2}{5} = \frac{\mathbf{4}}{\mathbf{25}}$ (M)