

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.

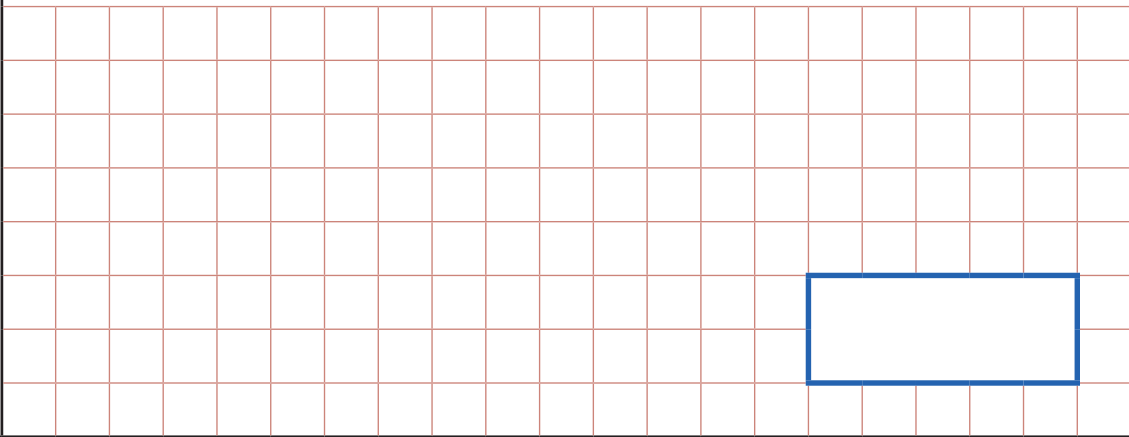


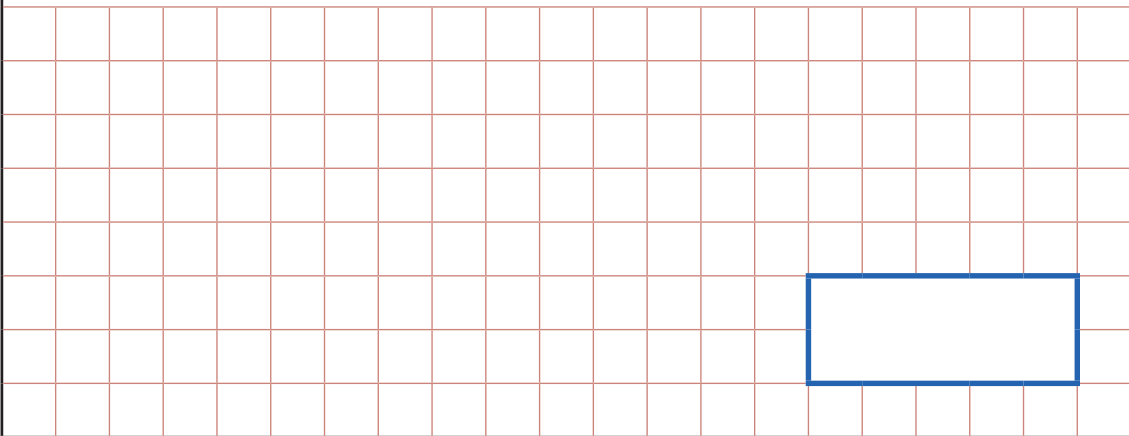


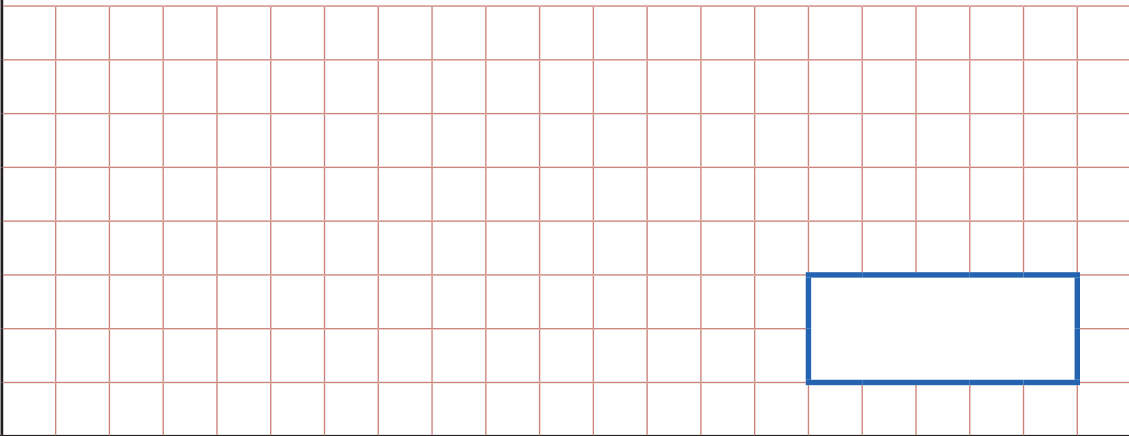


This week in a nutshell:

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	<div data-bbox="298 339 470 385">$50 \times 90 =$</div> <div data-bbox="1050 741 1321 854"></div>	<div data-bbox="1406 737 1485 817"></div> <div data-bbox="1406 817 1485 844">1 mark</div>
2	<div data-bbox="298 964 470 1010">$784 \times 6 =$</div> <div data-bbox="1050 1368 1321 1480"></div>	<div data-bbox="1406 1363 1485 1444"></div> <div data-bbox="1406 1444 1485 1471">1 mark</div>
3	<div data-bbox="298 1588 544 1634">$(49 + 7) \div 7 =$</div> <div data-bbox="1050 1992 1321 2105"></div>	<div data-bbox="1406 1988 1485 2068"></div> <div data-bbox="1406 2068 1485 2096">1 mark</div>

4	<div data-bbox="300 332 519 385">$628 - 499 =$</div> <div data-bbox="250 470 1372 906"></div> <div data-bbox="1052 741 1321 851"></div>	<div data-bbox="1406 737 1484 817"></div> <div data-bbox="1406 817 1484 851">1 mark</div>
5	<div data-bbox="300 959 638 1012">$34,371 + 32,588 =$</div> <div data-bbox="250 1097 1372 1533"></div> <div data-bbox="1052 1368 1321 1478"></div>	<div data-bbox="1406 1363 1484 1444"></div> <div data-bbox="1406 1444 1484 1478">1 mark</div>
6	<div data-bbox="300 1593 529 1646">$5,632 \times 24 =$</div> <div data-bbox="250 1731 1372 2167"></div> <div data-bbox="1052 2002 1321 2112"></div>	<div data-bbox="1406 1997 1484 2077"></div> <div data-bbox="1406 2077 1484 2112">2 marks</div>


Challenge yourself!

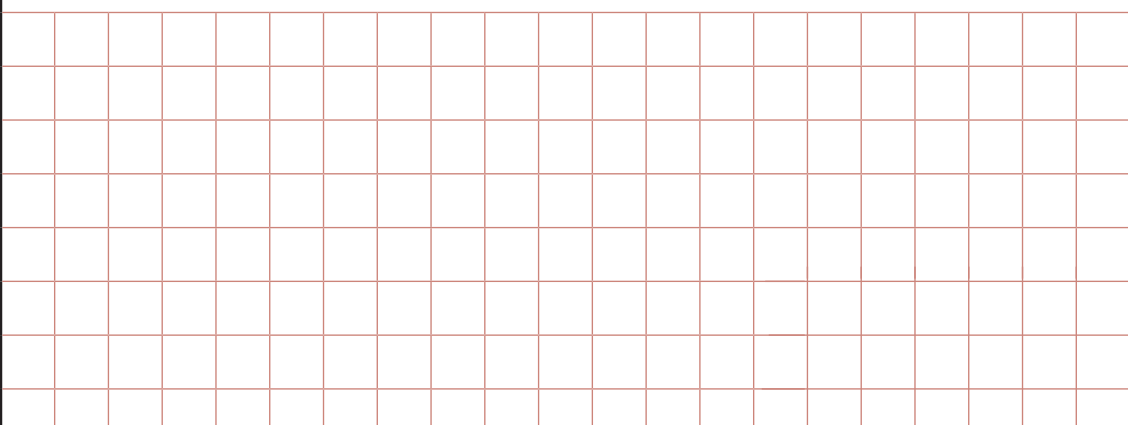
7	$57 + 25 =$	<div style="position: absolute; bottom: 20px; right: 20px; width: 150px; height: 50px; border: 2px solid blue;"></div>
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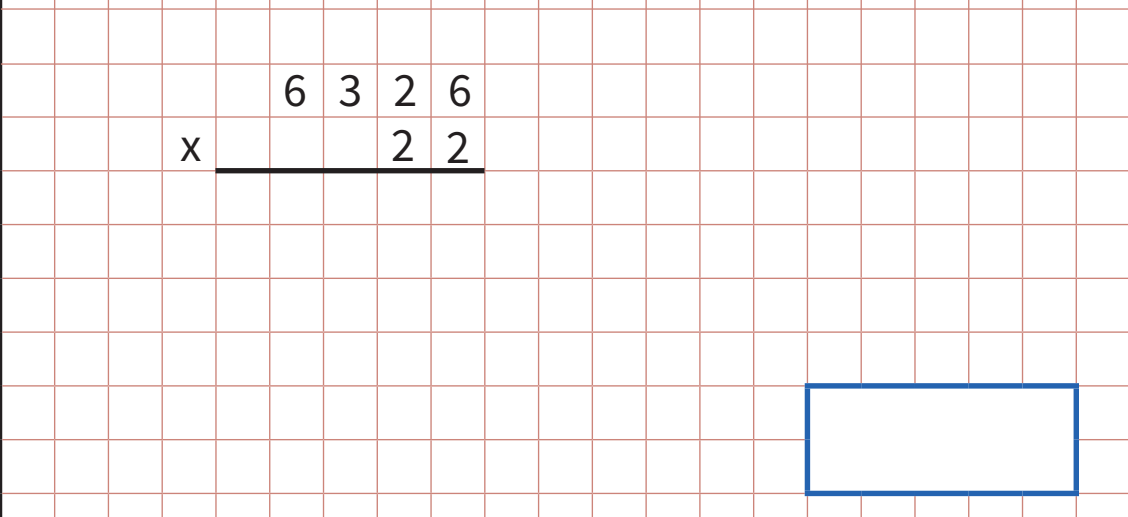
Answer Sheet

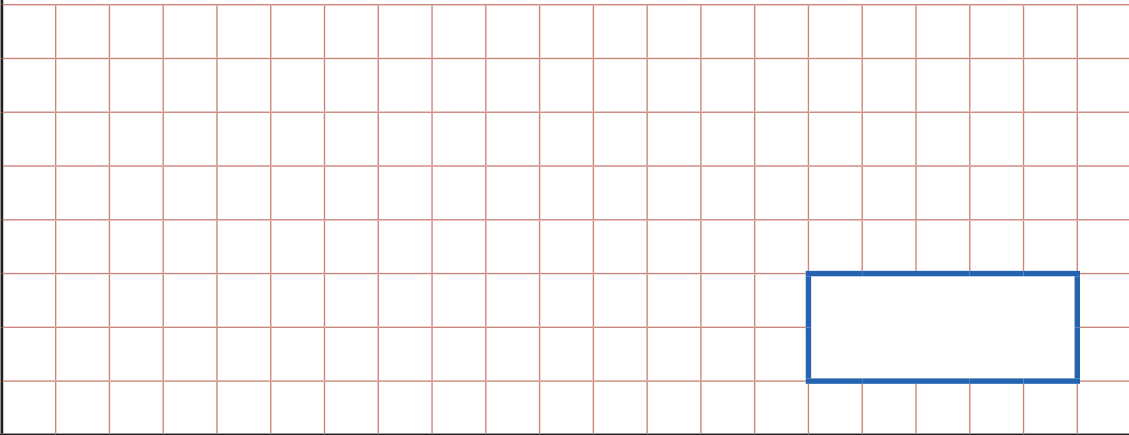


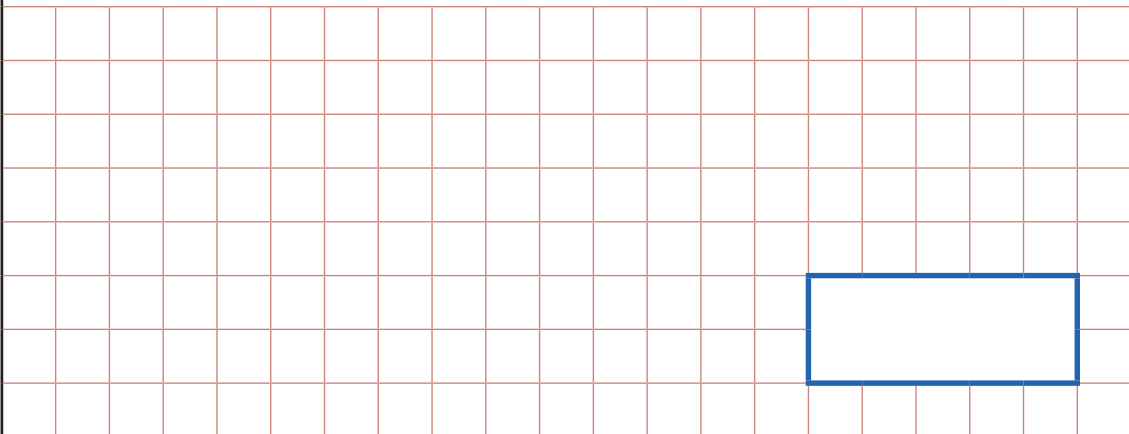


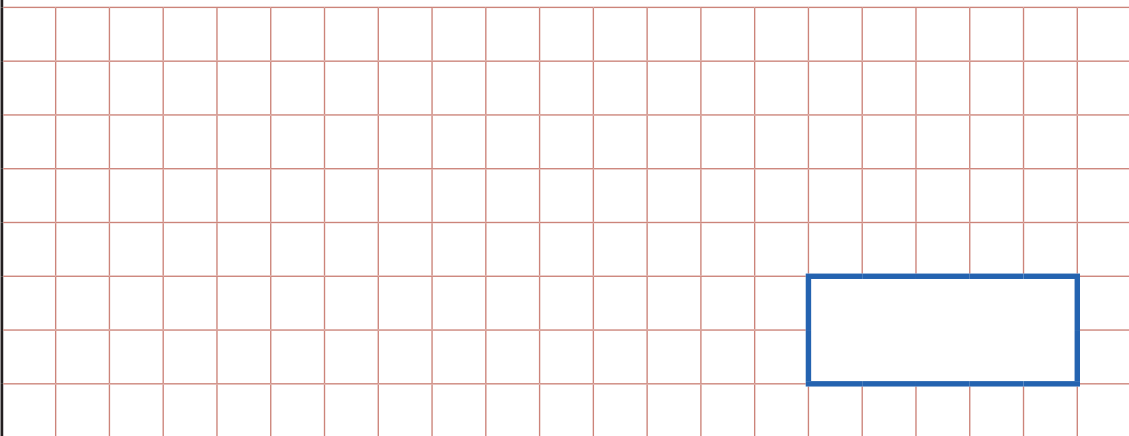


Remember, (M) is written next to those questions you should have tried to solve mentally first. (W) means a written method is usually more efficient for this question.

1. $50 \times 90 = \mathbf{4,500}$ (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	$60 \times 4 =$		<div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div> <p>1 mark</p>
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2	<div style="border: 1px solid black; width: 150px; height: 40px; display: inline-block;"></div> ² = 81		<div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div> <p>1 mark</p>
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3	$ \begin{array}{r} 6326 \\ \times \quad 22 \\ \hline \end{array} $		<div style="border: 1px solid black; width: 60px; height: 30px; margin: 0 auto;"></div> <p>2 marks</p>
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4	<div data-bbox="298 335 472 381">$78 - 29 =$</div> <div data-bbox="250 472 1372 906"></div> <div data-bbox="1050 741 1321 854"></div>	<div data-bbox="1406 737 1485 817"></div> <div data-bbox="1406 817 1485 847">1 mark</div>
5	<div data-bbox="298 955 472 1001">$881 \times 4 =$</div> <div data-bbox="250 1092 1372 1526"></div> <div data-bbox="1050 1363 1321 1476"></div>	<div data-bbox="1406 1359 1485 1439"></div> <div data-bbox="1406 1439 1485 1469">1 mark</div>
6	<div data-bbox="298 1581 639 1627">$43,002 + 39,845 =$</div> <div data-bbox="250 1719 1372 2155"></div> <div data-bbox="1050 1990 1321 2103"></div>	<div data-bbox="1406 1986 1485 2066"></div> <div data-bbox="1406 2066 1485 2096">1 mark</div>

Challenge yourself!

7	<div data-bbox="298 445 446 491">$50 \times 9 =$</div> <div data-bbox="250 583 1373 1017"></div>	<div data-bbox="1406 847 1485 927"></div> <div data-bbox="1406 927 1485 952">1 mark</div>
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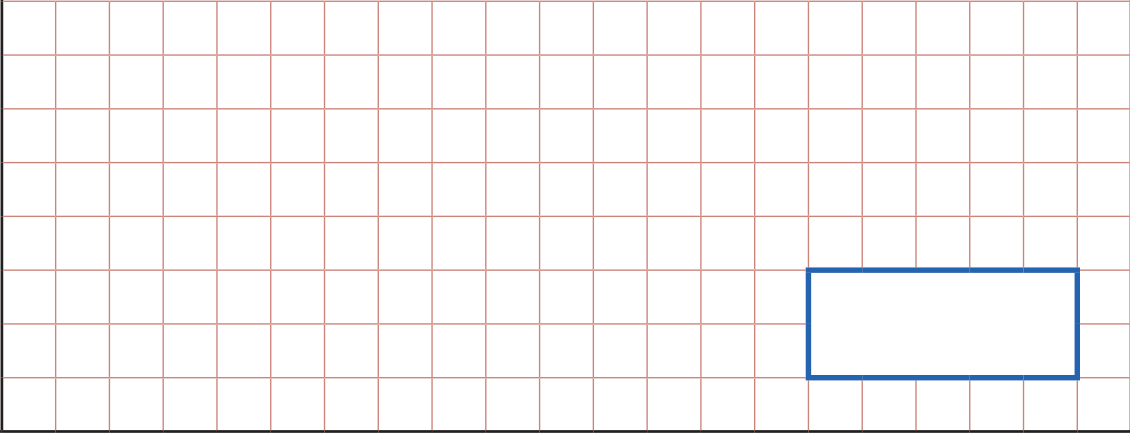
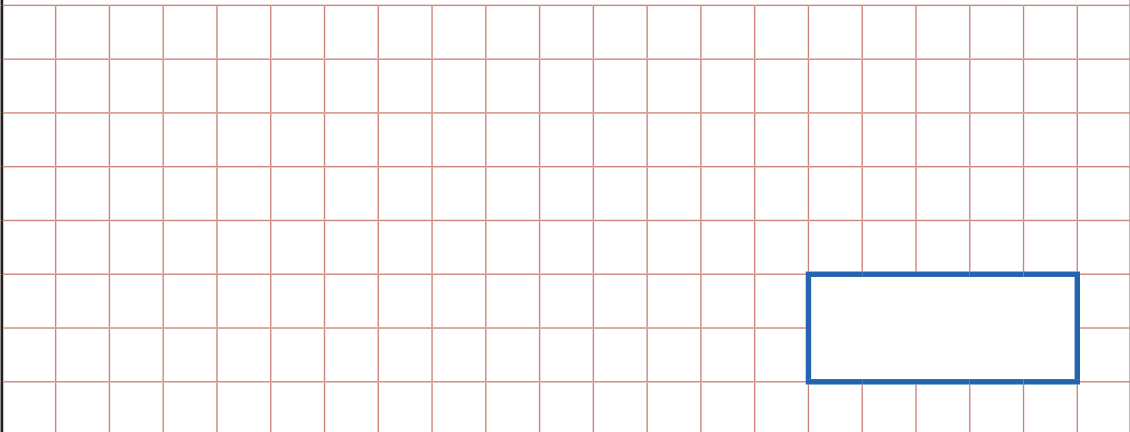

Answer Sheet

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)

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

1	<div data-bbox="298 332 513 385">$3 + 4 \times 10 =$</div> <div data-bbox="1050 741 1321 851"></div>	<div data-bbox="1406 737 1485 817"></div> <div data-bbox="1406 817 1485 844">1 mark</div>
2	<div data-bbox="298 957 591 1010">$25.34 + 17.26 =$</div> <div data-bbox="1050 1366 1321 1476"></div>	<div data-bbox="1406 1361 1485 1441"></div> <div data-bbox="1406 1441 1485 1469">1 mark</div>
3	<div data-bbox="298 1581 371 1634">$6^3 =$</div> <div data-bbox="1050 1990 1321 2100"></div>	<div data-bbox="1406 1986 1485 2066"></div> <div data-bbox="1406 2066 1485 2093">1 mark</div>

4	$6 \times 2 \times 5 =$  <div data-bbox="1052 743 1321 858" style="border: 1px solid blue; width: 166px; height: 50px; position: absolute; bottom: 20px; right: 20px;"></div>	<div data-bbox="1406 743 1484 812" style="border: 1px solid black; width: 48px; height: 30px; position: absolute; bottom: 20px; right: 20px;"></div> <div data-bbox="1406 812 1484 858">1 mark</div>
5	$202 \times 9 =$  <div data-bbox="1052 1363 1321 1478" style="border: 1px solid blue; width: 166px; height: 50px; position: absolute; bottom: 20px; right: 20px;"></div>	<div data-bbox="1406 1363 1484 1432" style="border: 1px solid black; width: 48px; height: 30px; position: absolute; bottom: 20px; right: 20px;"></div> <div data-bbox="1406 1432 1484 1478">1 mark</div>
6	$30 \times 4 =$  <div data-bbox="1052 1983 1321 2098" style="border: 1px solid blue; width: 166px; height: 50px; position: absolute; bottom: 20px; right: 20px;"></div>	<div data-bbox="1406 1983 1484 2052" style="border: 1px solid black; width: 48px; height: 30px; position: absolute; bottom: 20px; right: 20px;"></div> <div data-bbox="1406 2052 1484 2098">1 mark</div>

Challenge yourself!

7

$$457 + 199 =$$

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

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

3. $63 = \mathbf{216}$ (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

$$46 \times 53 =$$

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2 marks

2

$$\frac{2}{3} \times \frac{1}{6} =$$

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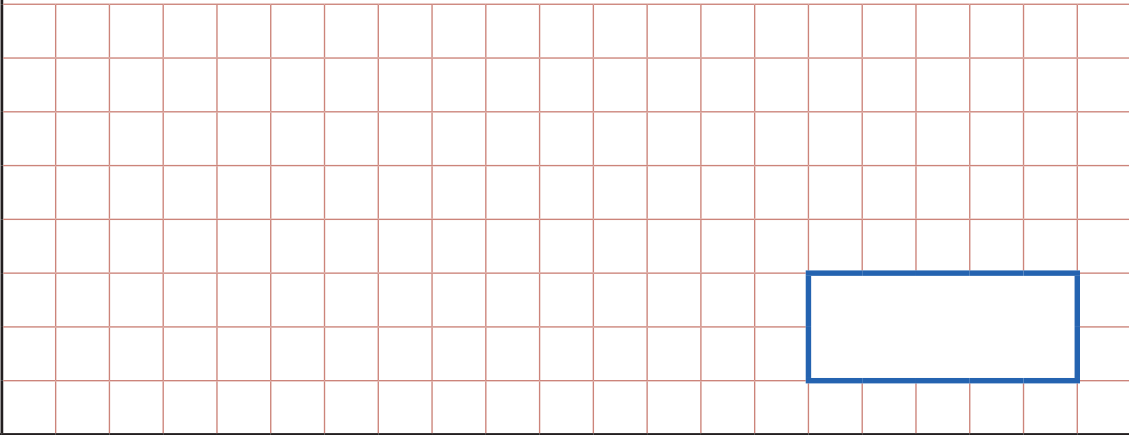


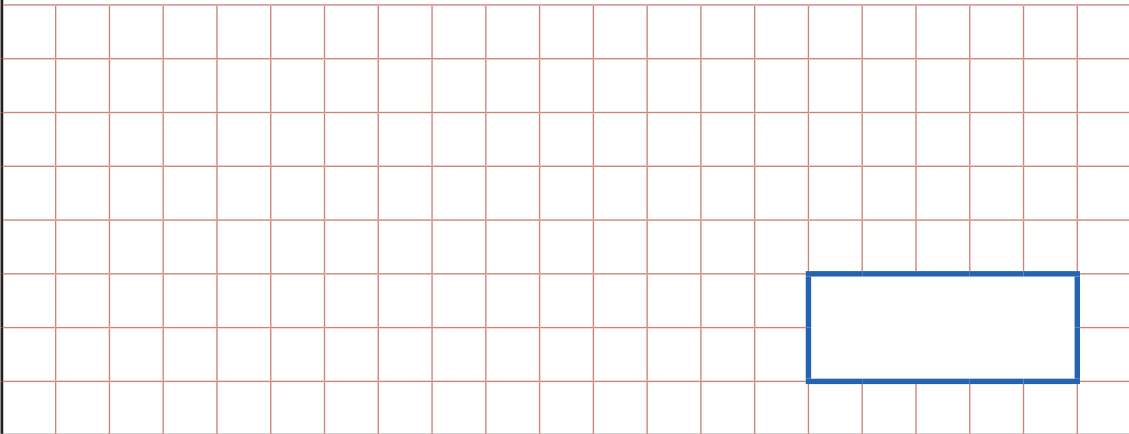


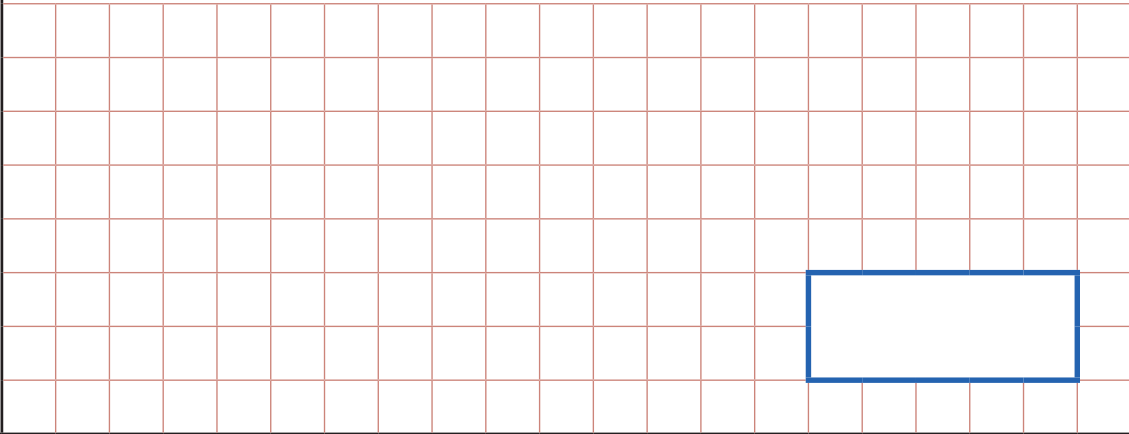


1 mark

3


$$82,000 - 47,684 =$$

10

1 mark

4	<div data-bbox="293 335 454 381">$1.5 \times 3 =$</div> <div data-bbox="250 472 1372 906"></div> <div data-bbox="1050 741 1321 851"></div>	<div data-bbox="1406 737 1485 817"></div> <div data-bbox="1406 817 1485 844">1 mark</div>
5	<div data-bbox="293 962 467 1007">$60 + 70 =$</div> <div data-bbox="250 1099 1372 1533"></div> <div data-bbox="1050 1368 1321 1478"></div>	<div data-bbox="1406 1363 1485 1444"></div> <div data-bbox="1406 1444 1485 1471">1 mark</div>
6	<div data-bbox="293 1588 524 1634">$5,064 \times 74 =$</div> <div data-bbox="250 1726 1372 2160"></div> <div data-bbox="1050 1995 1321 2105"></div>	<div data-bbox="1406 1990 1485 2070"></div> <div data-bbox="1406 2070 1485 2098">2 marks</div>

Challenge yourself!

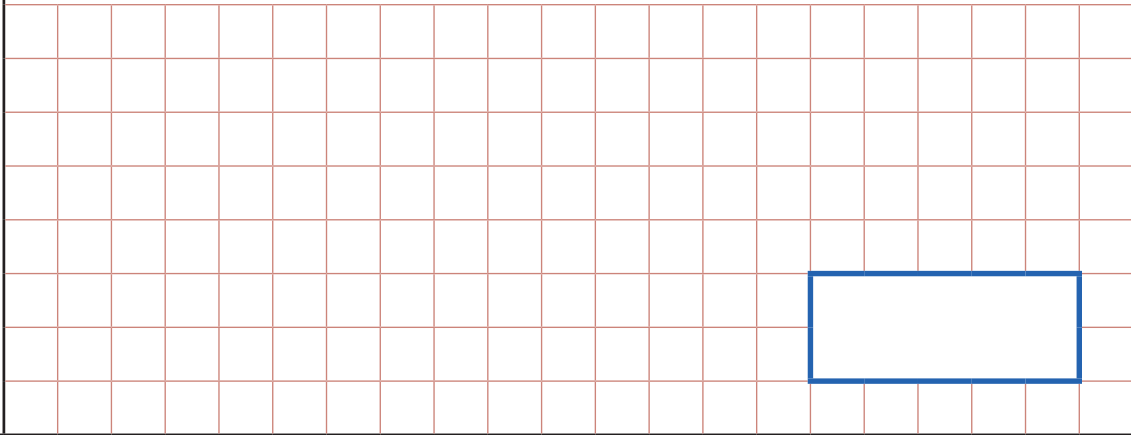





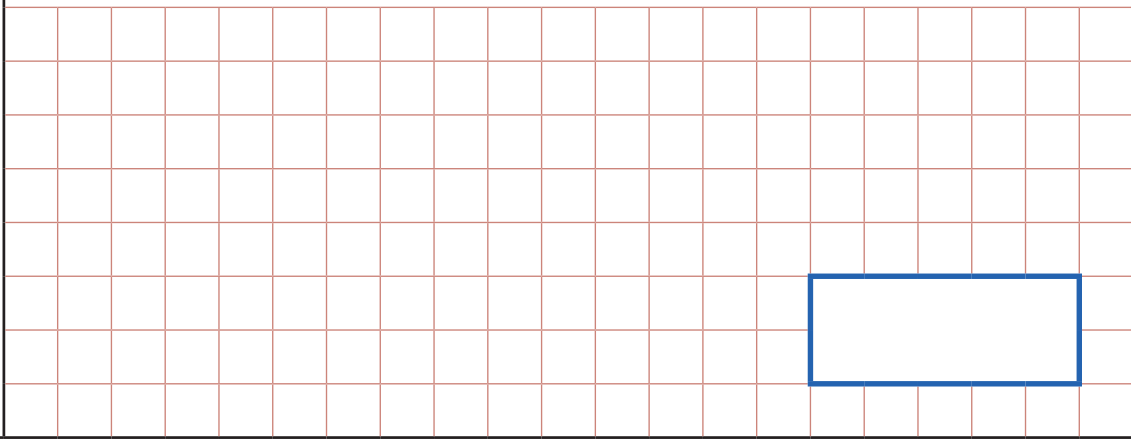


7	$(4 + 3) \times 7 =$																			
																				
<div><div></div>1 mark</div>																				

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	<div data-bbox="297 332 508 385">$14 - 3 \times 4 =$</div> <div data-bbox="1052 741 1321 854"></div>	<div data-bbox="1406 737 1485 817"></div> <div data-bbox="1406 817 1485 844">1 mark</div>
2	<div data-bbox="297 959 496 1012">$270 \div 90 =$</div> <div data-bbox="1052 1368 1321 1480"></div>	<div data-bbox="1406 1363 1485 1444"></div> <div data-bbox="1406 1444 1485 1471">1 mark</div>
3	<div data-bbox="427 1678 730 1786">$\begin{array}{r} 6025 \\ + 3797 \\ \hline \end{array}$</div> <div data-bbox="1052 1992 1321 2105"></div>	<div data-bbox="1406 1988 1485 2068"></div> <div data-bbox="1406 2068 1485 2096">1 mark</div>

4	<div data-bbox="298 335 444 381">$70 \times 4 =$</div> <div data-bbox="248 472 1372 906"></div> <div data-bbox="1050 741 1321 851"></div>	<div data-bbox="1406 737 1485 817"></div> <div data-bbox="1406 817 1485 847">1 mark</div>
5	<div data-bbox="298 962 513 1007">$36 \div 9 \times 4 =$</div> <div data-bbox="248 1099 1372 1533"></div> <div data-bbox="1050 1368 1321 1478"></div>	<div data-bbox="1406 1363 1485 1444"></div> <div data-bbox="1406 1444 1485 1474">1 mark</div>
6	<div data-bbox="298 1591 469 1637">$674 \times 5 =$</div> <div data-bbox="248 1728 1372 2167"></div> <div data-bbox="1050 1999 1321 2110"></div>	<div data-bbox="1406 1995 1485 2075"></div> <div data-bbox="1406 2075 1485 2105">1 mark</div>

Challenge yourself!

7

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

[illegible]

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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)