

Fluent in Five

Daily Arithmetic Practice
Week 16

Year 6

Year 6 - Week 16

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

- Mental multiplication focuses on multiplying and dividing by 25 and 50.
- Mental addition and subtraction questions include adding and subtracting multiples of 10, 100 and 1000.
- Written methods for multiplication and division focus on short multiplication and short division.
- Written methods for addition and subtraction feature the addition and subtraction of large numbers (with 5 or more digits) but where each number has the same number of digits.
- Fraction questions require pupils to add and subtract proper fractions with different denominators.

1

$$520 \div 20 =$$

1 mark

2

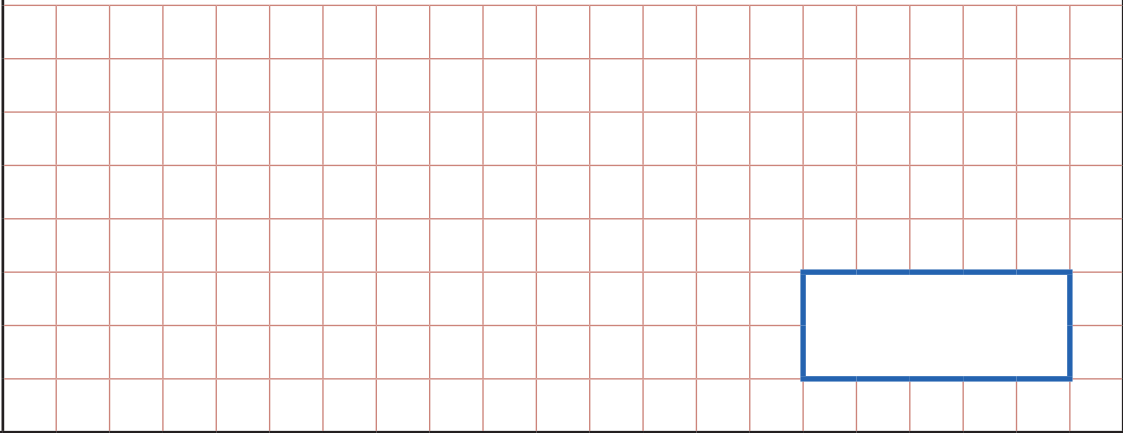
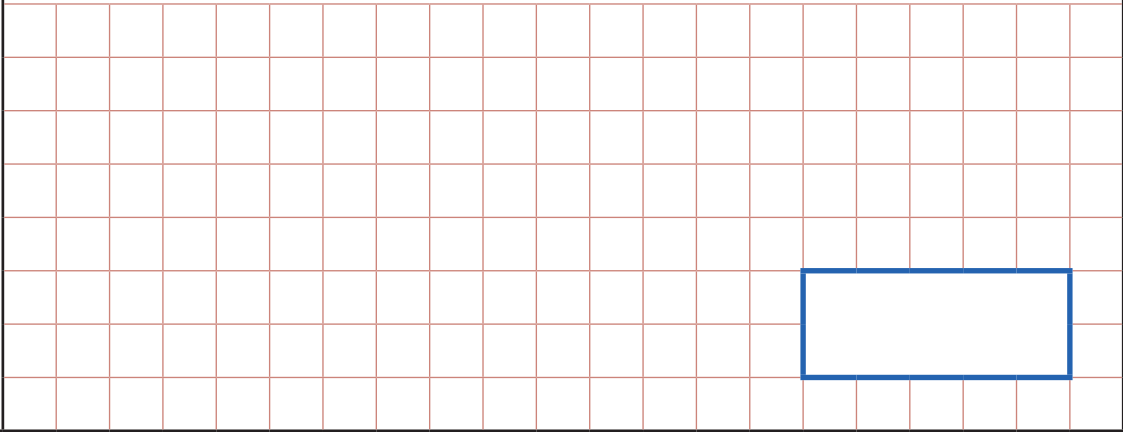
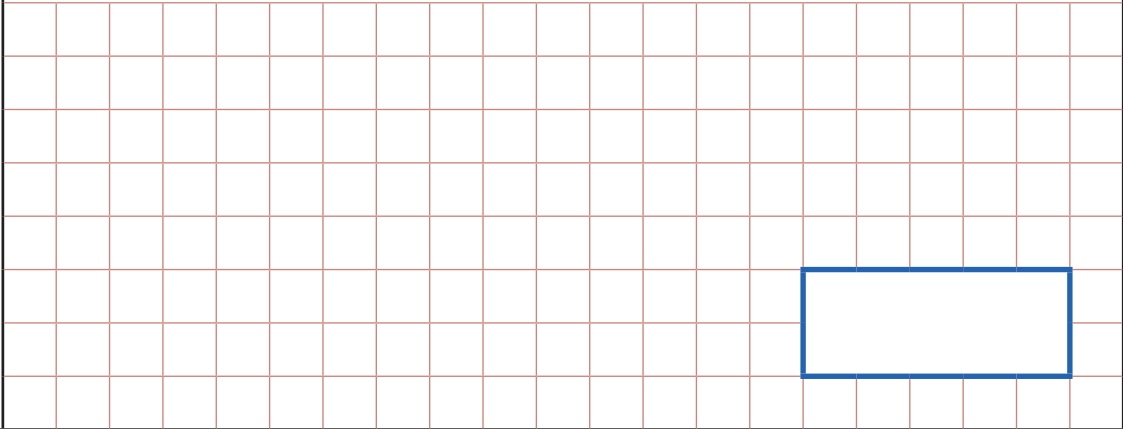
$$\div 56 = 31$$

2 marks

3

$$490 - 80 =$$

1 mark

4	$60\% \text{ of } 900 =$  	 1 mark
5	$18,075 + 17,288 =$  	 1 mark
6	$70 \div (5 \times 2) =$  	 1 mark

Challenge yourself!

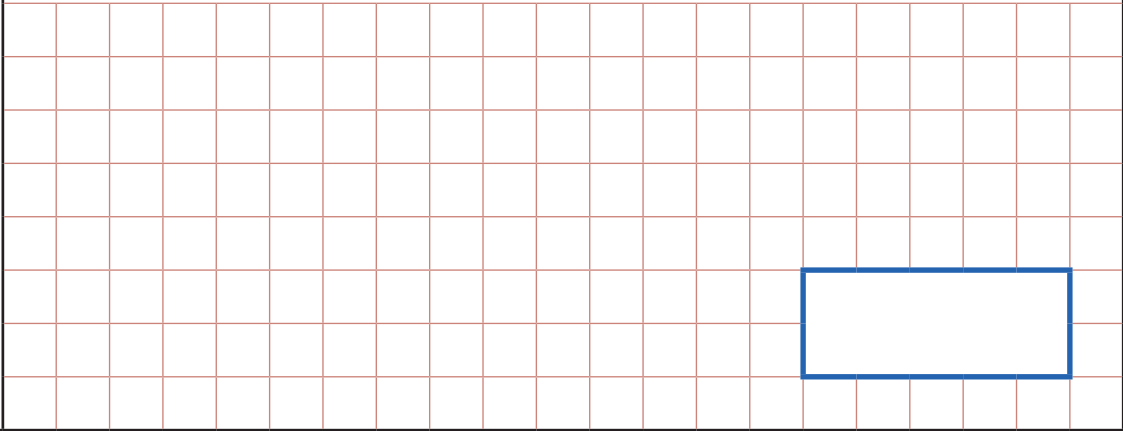
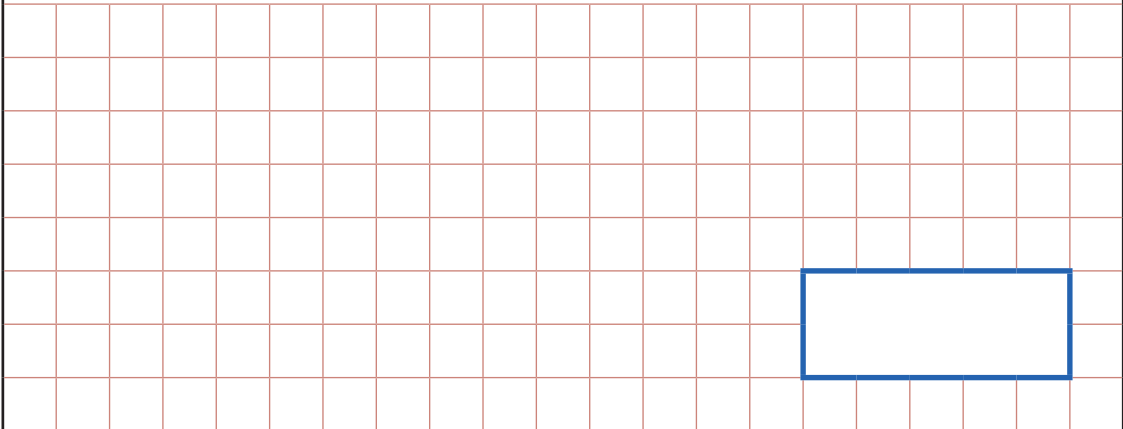
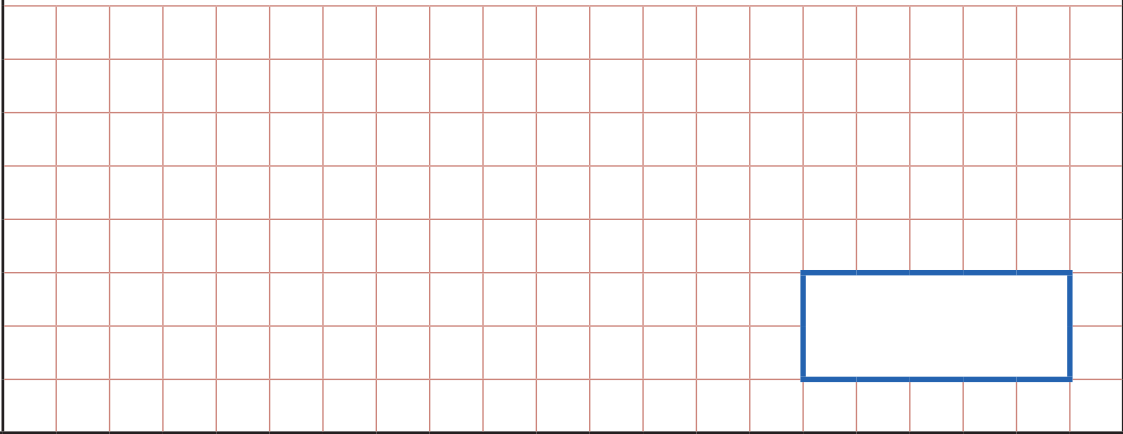
7	$2.3 \times 5 =$ 	 1 mark
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Answer Sheet

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. $520 \div 20 = \mathbf{26}$ (M)
2. $\mathbf{1,736} \div 56 = 31$ (W)
3. $490 - 80 = \mathbf{410}$ (M)
4. $60\% \text{ of } 900 = \mathbf{540}$ (M)
5. $18,075 + 17,288 = \mathbf{35,363}$ (W)
6. $70 \div (5 \times 2) = \mathbf{7}$ (M)
7. $2.3 \times 5 = \mathbf{11.5}$ (M)

1	10% of £125 =	1 mark
2	$\begin{array}{r} 40000 \\ - 24479 \\ \hline \end{array}$	1 mark
3	38 + 27 =	1 mark

4	$905 \times 4 =$  	 1 mark
5	$678 \div 100 =$  	 1 mark
6	$7.13 \times 9 =$  	 1 mark

Challenge yourself!

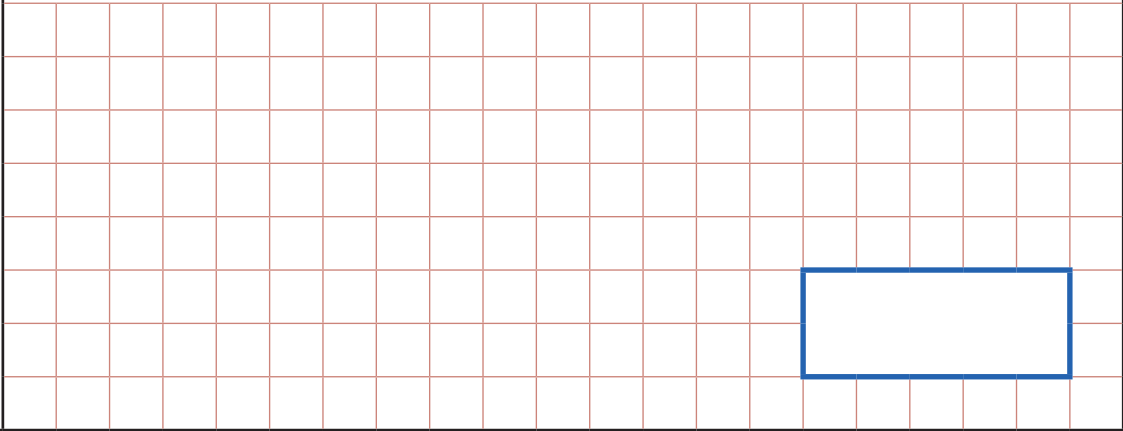
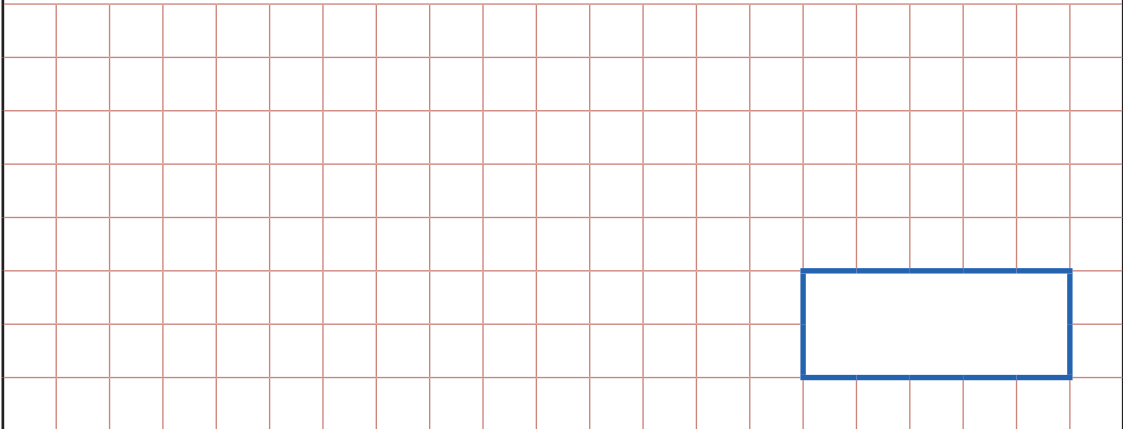
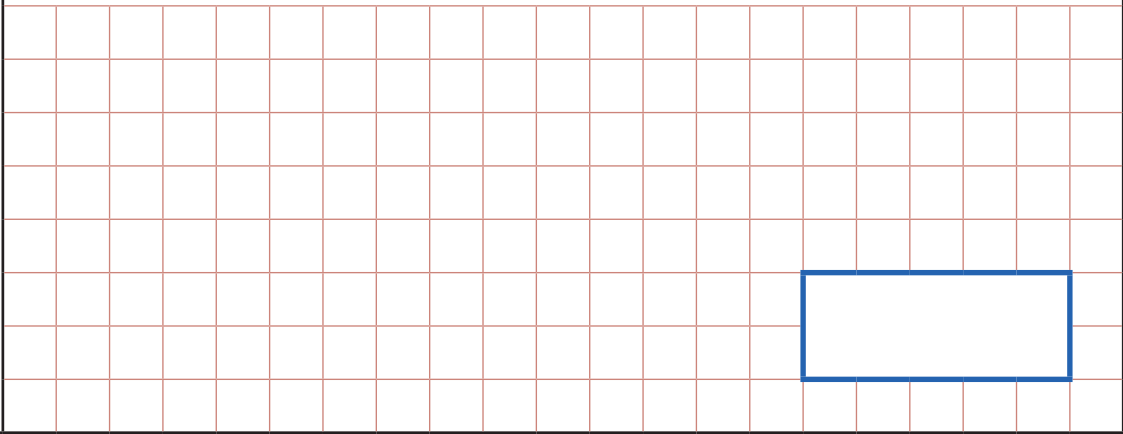
7	$82 \times 0 =$	
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Answer Sheet

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. 10% of £125 = **£12.50** (M)
2. 40,000 – 24,479 = **15,521** (W)
3. 38 + 27 = **65** (M)
4. 905 x 4 = **3,620** (W)
5. 678 ÷ 100 = **6.78** (M)
6. 7.13 x 9 = **64.17** (W)
7. 82 x 0 = **0** (M)

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

1	$365.4 - 149.9 =$  	 1 mark
2	$24 \div (6 \times 2) =$  	 1 mark
3	$208 + 7 =$  	 1 mark

4

$$6,064 \times 25 =$$

2 marks

5

$$\frac{6}{8} \times \frac{1}{2} =$$

1 mark

6

$$480 \div 60 =$$

1 mark

Challenge yourself!

7	$9,436 \div 1 =$ 	 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. $365.4 - 149.9 = \mathbf{215.5}$ (W)

2. $24 \div (6 \times 2) = \mathbf{2}$ (M)

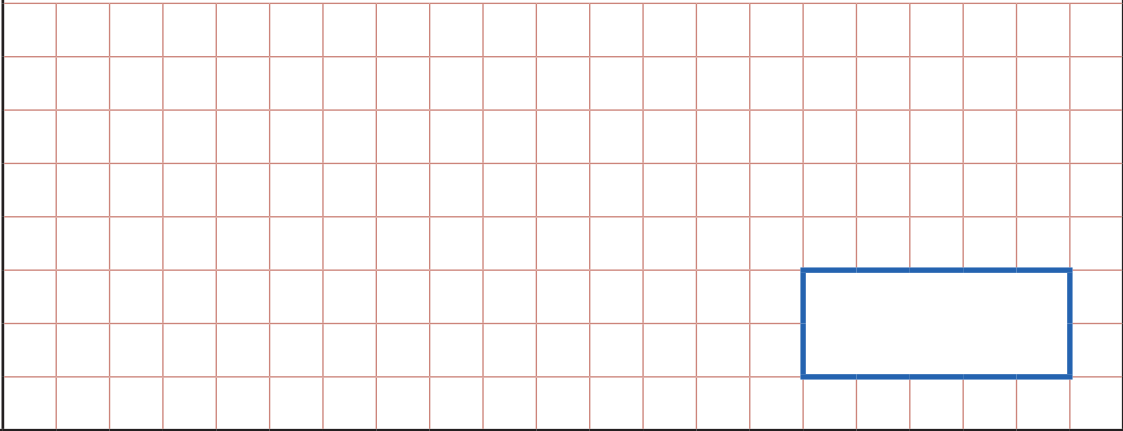
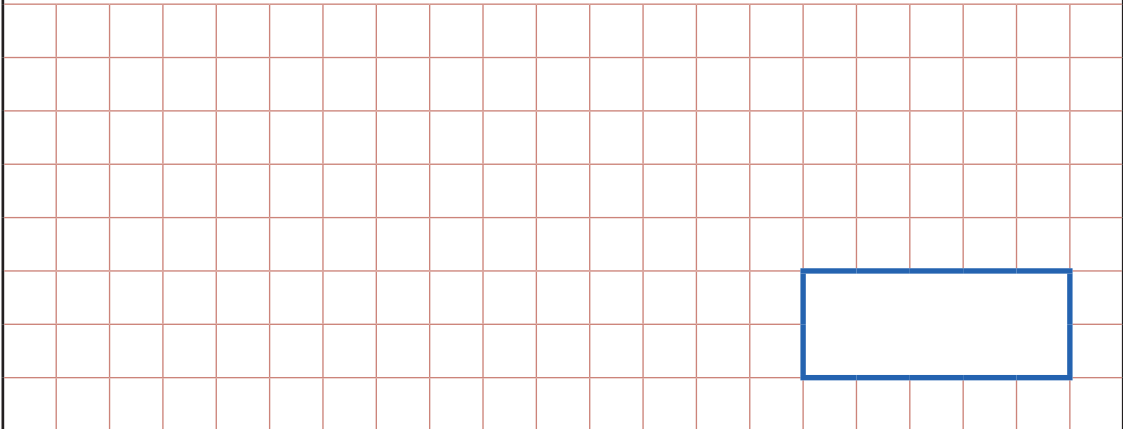
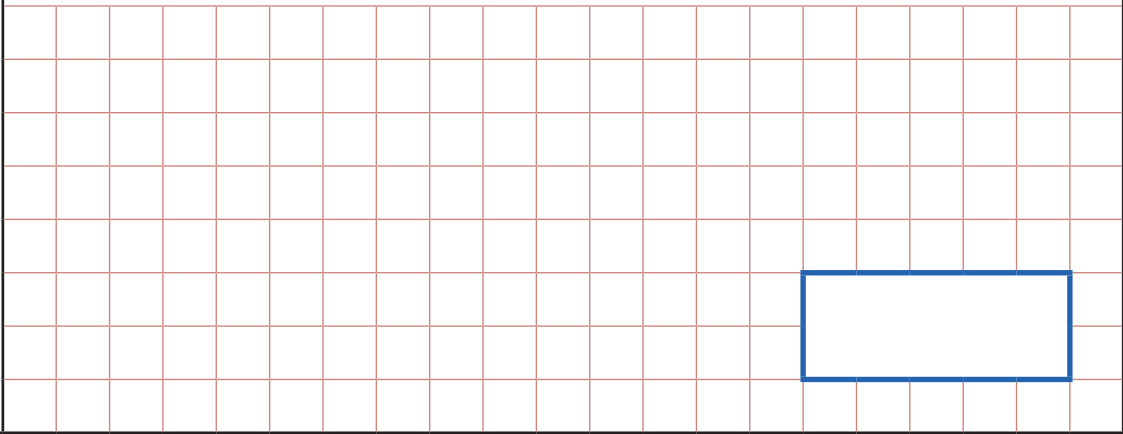
3. $208 + 7 = \mathbf{215}$ (M)

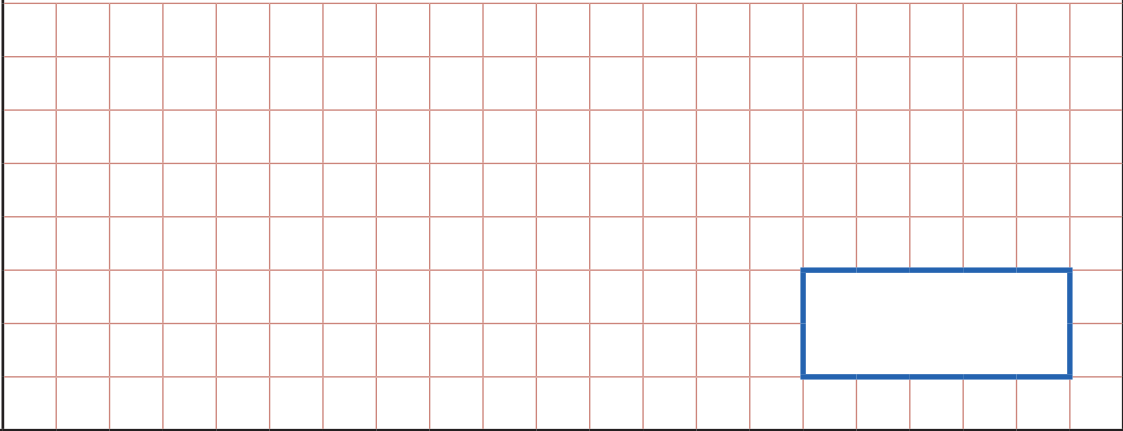
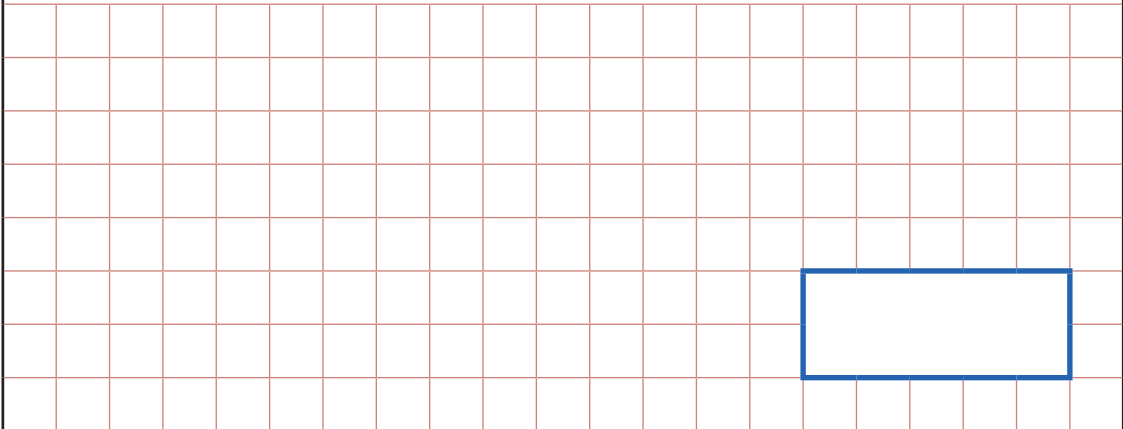
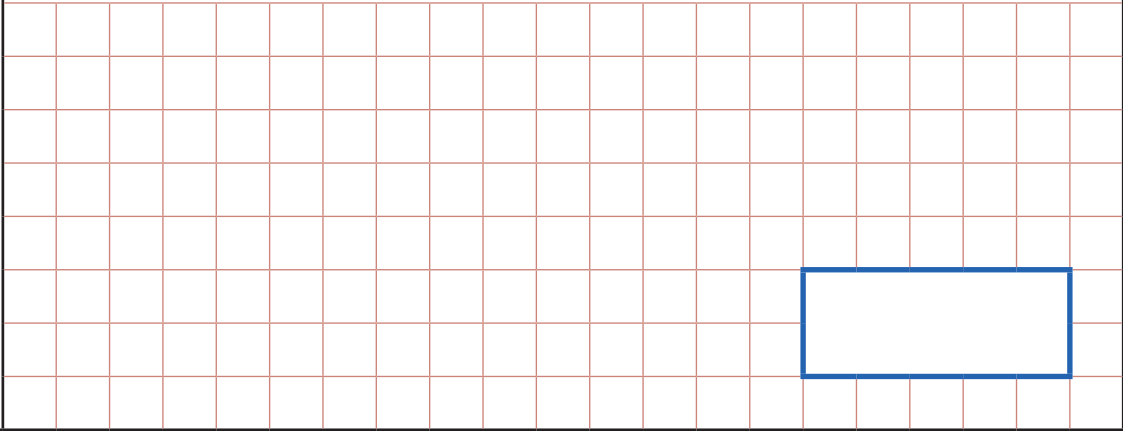
4. $6,064 \times 25 = \mathbf{151,600}$ (W)

5. $\frac{6}{8} \times \frac{1}{2} = \frac{\mathbf{6}}{\mathbf{16}}$ or $\frac{\mathbf{3}}{\mathbf{8}}$ (M)

6. $480 \div 60 = \mathbf{8}$ (M)

7. $9,436 \div 1 = \mathbf{9,436}$ (M)

1	$62,052 - 16,783 =$  	 1 mark
2	$7,237 \times 6 =$  	 1 mark
3	$56.24 + 35.87 =$  	 1 mark

4	$100 - 20 \div 4 =$  	 1 mark
5	$50 \times 3 =$  	 1 mark
6	$\frac{2}{10}$ of 80 =  	 1 mark

Challenge yourself!

7	$5 \times 5 \times 7 =$ 	 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. $62,052 - 16,783 = \mathbf{45,269}$ (W)

2. $7,237 \times 6 = \mathbf{43,422}$ (W)

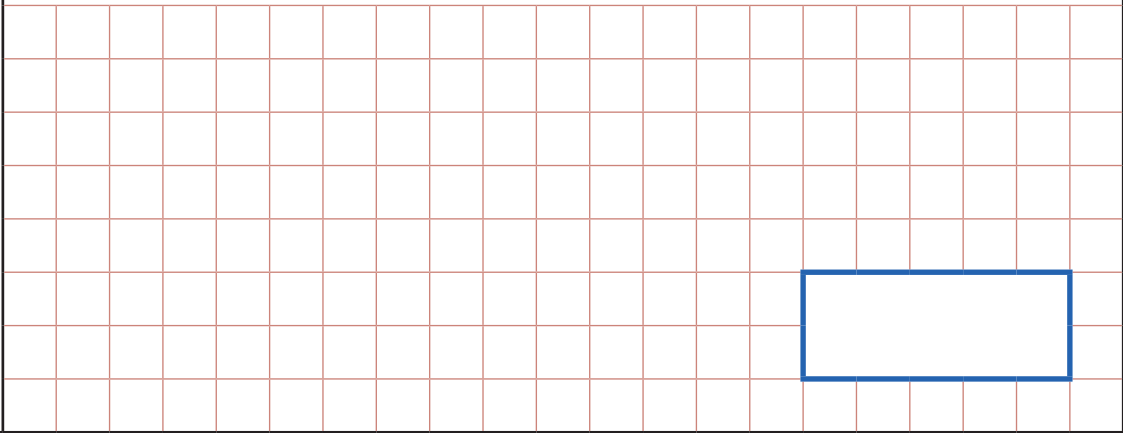
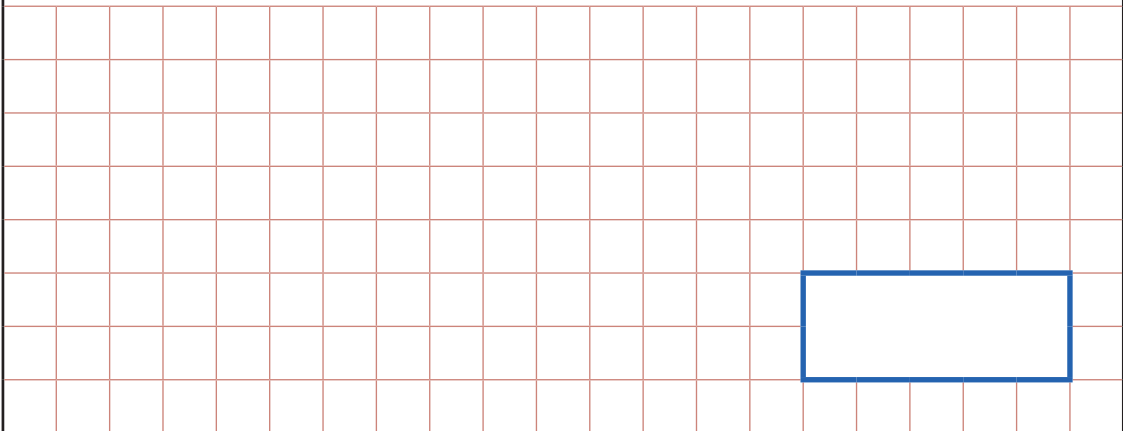
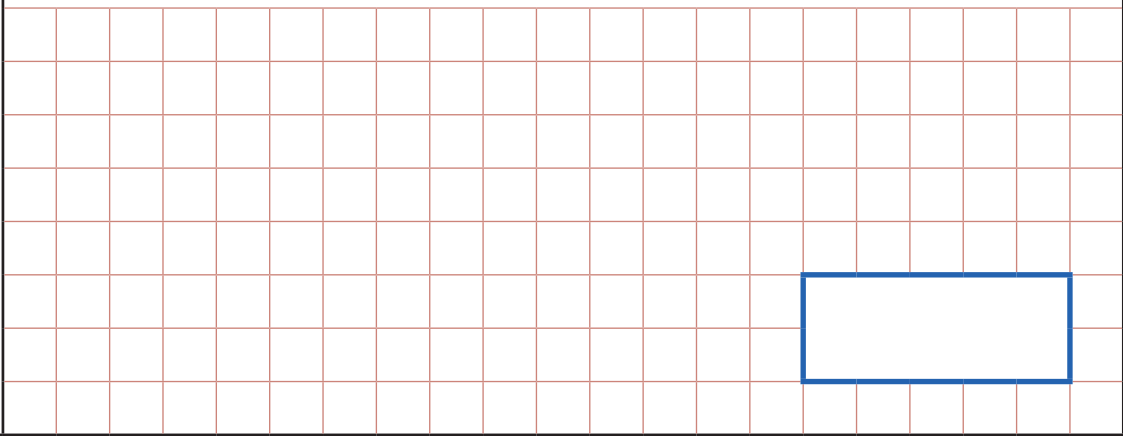
3. $56.24 + 35.87 = \mathbf{92.11}$ (W)

4. $100 - 20 \div 4 = \mathbf{95}$ (M)

5. $50 \times 3 = \mathbf{150}$ (M)

6. $\frac{2}{10}$ of 80 = $\mathbf{16}$ (M)

7. $5 \times 5 \times 7 = \mathbf{175}$ (M)

1	$1,835 \times 8 =$  	 1 mark
2	$8 \times 2 \times 2 =$  	 1 mark
3	$900 - 300 =$  	 1 mark

4	4 3 6 5 8	1 mark
5	$5,267 + 3,999 =$	1 mark
6	$264 \times 3 =$	1 mark

Challenge yourself!

7	$200 + 4 \times 2 =$ 	 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. $1,835 \times 8 = \mathbf{14,680}$ (W)
2. $8 \times 2 \times 2 = \mathbf{32}$ (M)
3. $900 - 300 = \mathbf{600}$ (M)
4. $3,658 \div 4 = \mathbf{914 \text{ r } 2}$ or $\mathbf{914\frac{2}{4}}$ or $\mathbf{914\frac{1}{2}}$ or $\mathbf{914.5}$ (W)
5. $5,267 + 3,999 = \mathbf{9,266}$ (M)
6. $264 \times 3 = \mathbf{792}$ (W)
7. $200 + 4 \times 2 = \mathbf{208}$ (M)