Fluent in Five

Year 6

THIRD SPACE LEARNING

Year 6 - Week 17

This week in a nutshell

- Mental methods focus on questions which involve the application of the order of operations.

- Pupils will continue to recap on short multiplication and short division in the questions that require written methods.

- Written methods for addition and subtraction focus on large numbers (numbers with 5 or more digits) where each number has a different amount of digits.

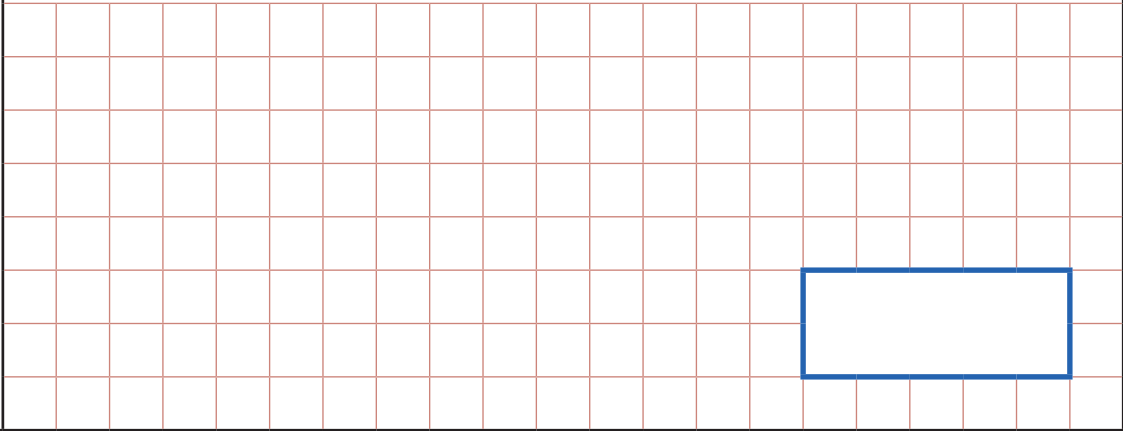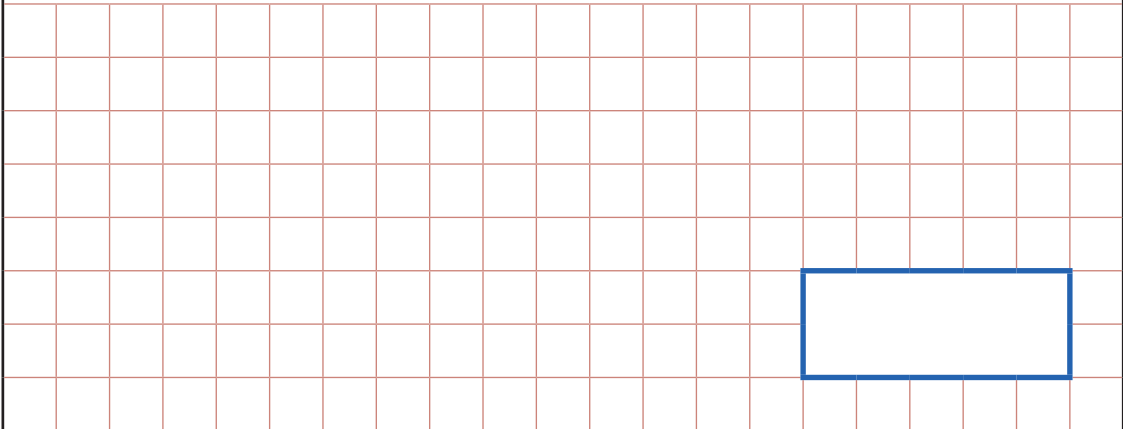- Fraction questions focus on adding and subtracting mixed numbers with different denominators.

Name..

Date...School..

Class..Score...

1

$70 \times \boxed{} = 490$

1 mark

2

$\boxed{} = 34 \times 6$

1 mark

3
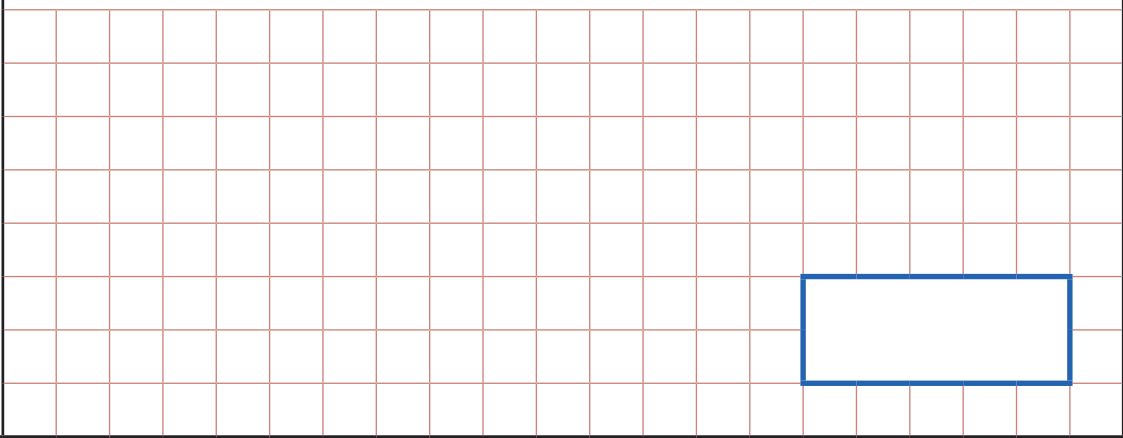
$16 \div 8 \times 12 =$

$\boxed{}$

1 mark

4 $2{,}592 + 1{,}999 =$

1 mark

5 $346{,}345 + 77{,}134 =$

1 mark

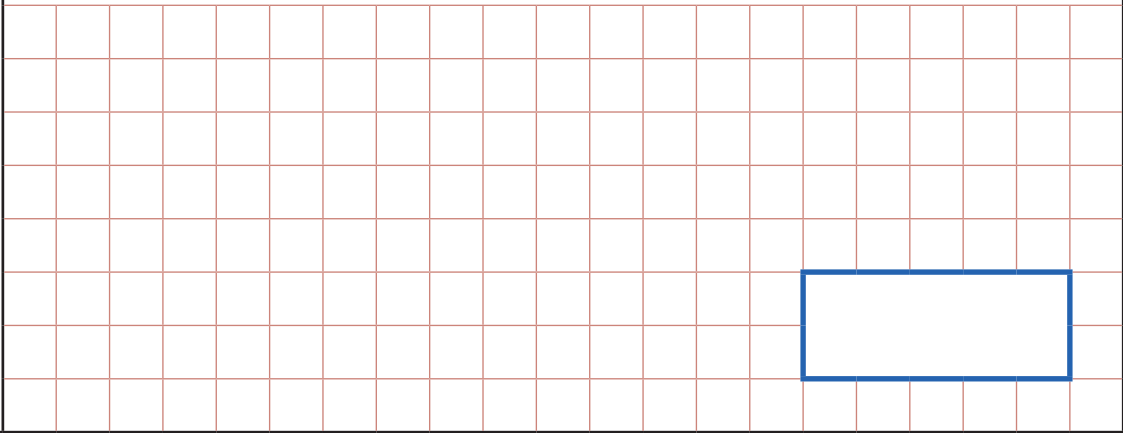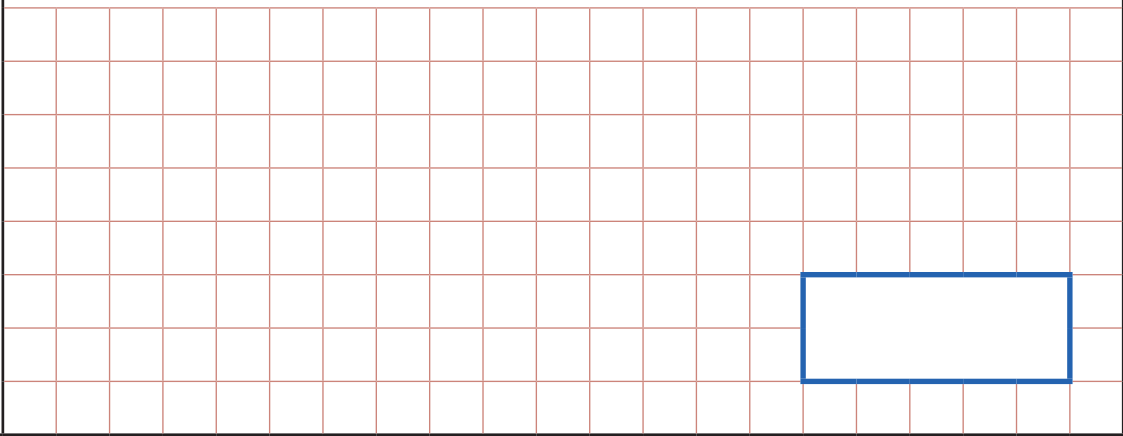**6** $247 - 8 =$

1 mark

Challenge yourself!

| 7 | $4\dfrac{2}{3} + 1\dfrac{1}{2} =$ | 1 mark |
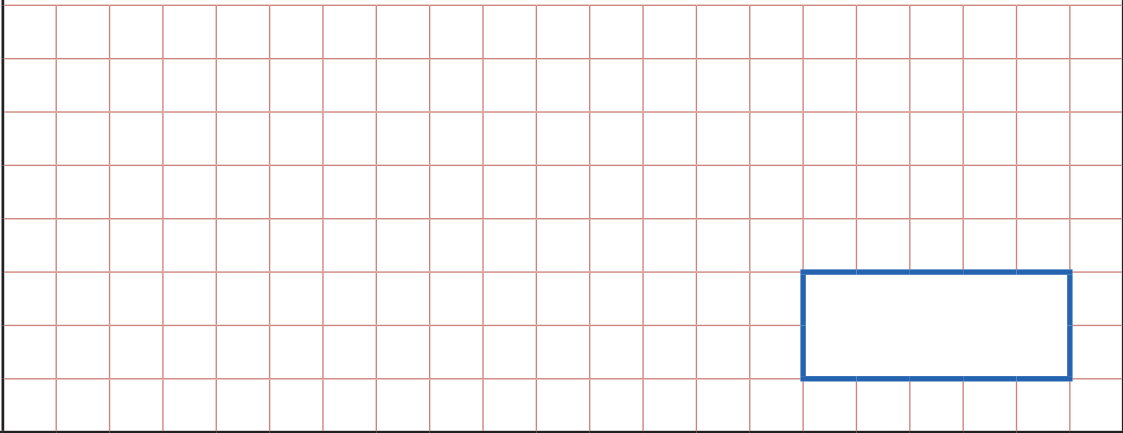
Answer Sheet

> **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.**
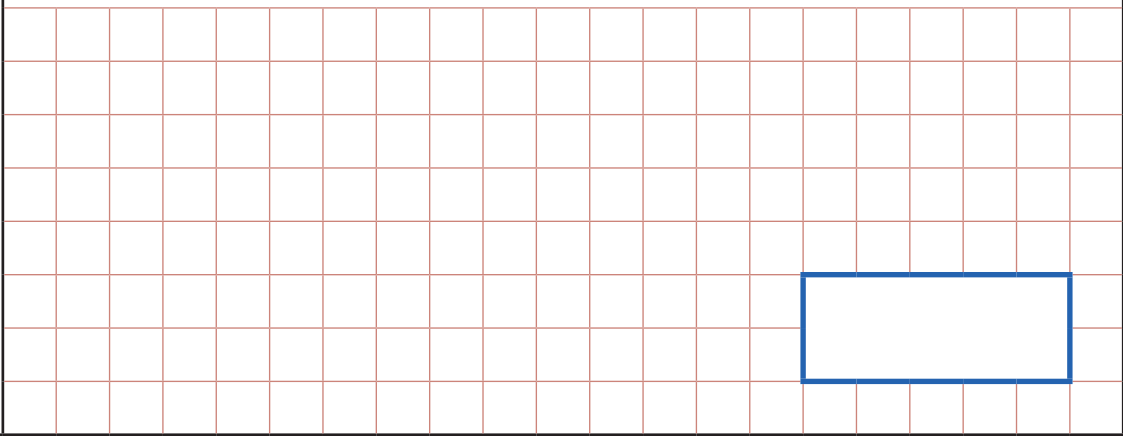
1. 70 x 7 = **490** (M)

2. **204** = 34 x 6 (W)

3. 16 ÷ 8 x 12 = **24** (M)

4. 2,592 + 1,999 = **4,591** (M)

5. 346,345 + 77,134 = **423,479** (W)

6. 247 − 8 = **239** (M)

7. $4\frac{2}{3} + 1\frac{1}{2} = \mathbf{6\frac{1}{6}}$

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Name..

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1

$$6\frac{1}{2} + 2\frac{3}{10} =$$

1 mark

2

385 x 79 =

2 marks

3

361 + 20 =

1 mark

4 | $121,716 + 48,006 =$

1 mark

5 | $21 \div (3 + 4) =$

1 mark

6 | $493 \times 4 =$

1 mark

Challenge yourself!

7	6 x 3 x 3 =	
		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. $6\frac{1}{2} + 2\frac{3}{10} = \mathbf{8\frac{8}{10}}$ *or* $\mathbf{8\frac{4}{5}}$ (M)

2. 385 x 79 = **30,415** (W)

3. 361 + 20 = **381** (M)

4. 121,716 + 48,006 = **169,722** (W)

5. 21 ÷ (3 + 4) = **3** (M)

6. 493 x 4 = **1,972** (W)

7. 6 x 3 x 3 = **54** (M)

1 $4{,}923 \div 9 =$

1 mark

2 $30 - (15 + 3) =$
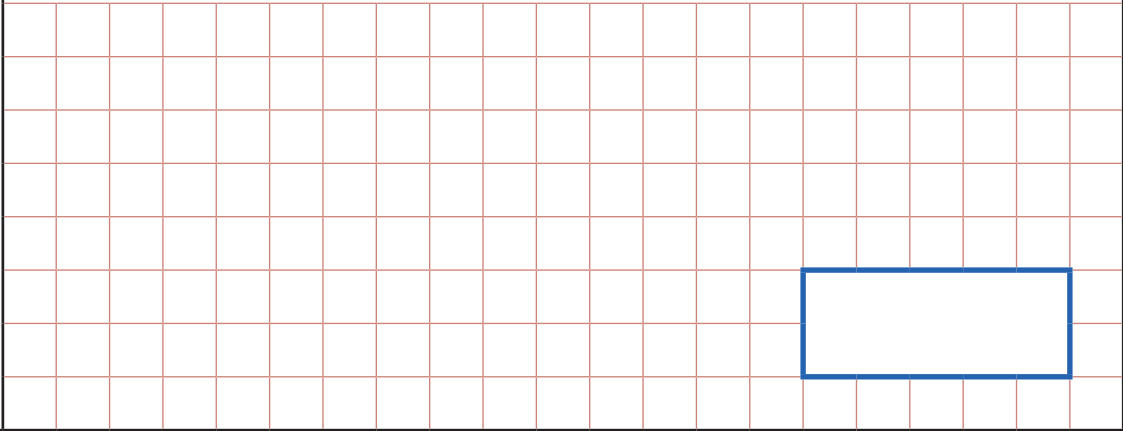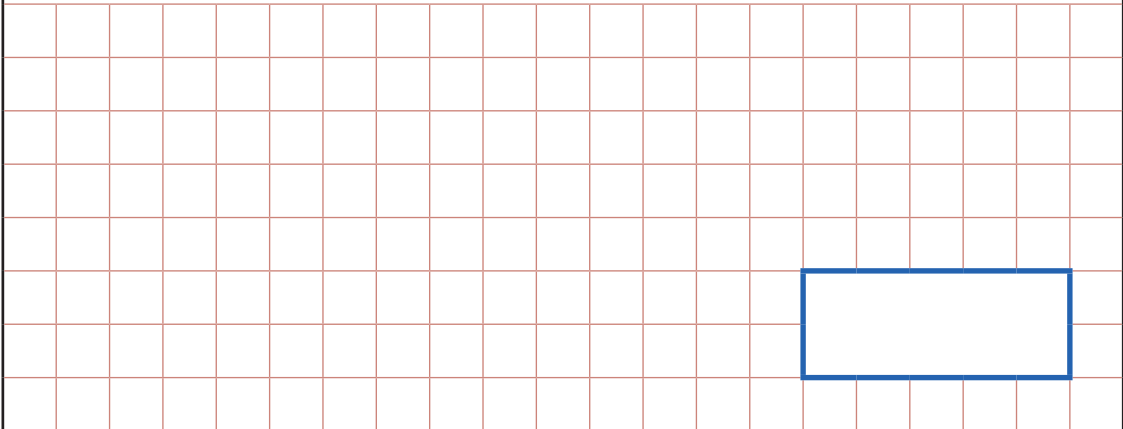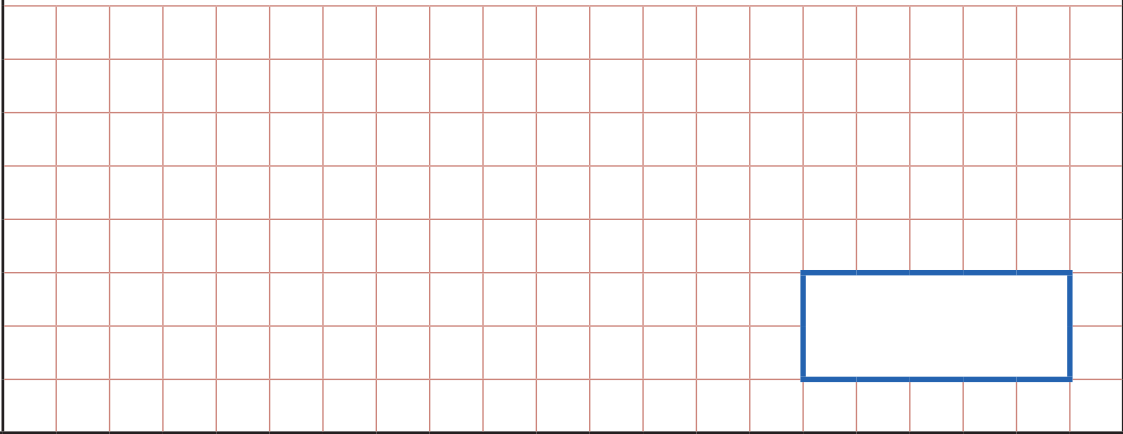
1 mark

3 $\boxed{} \div 100 = 0.56$

1 mark

4   539,000 − 56,227 =

1 mark

5 $6^2 =$

1 mark

6   736 + 200 =

1 mark

Challenge yourself!

7	$9\dfrac{6}{10} - 1\dfrac{1}{2} =$	
		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. $4{,}923 \div 9 =$ **547** (W)

2. $30 - (15 + 3) =$ **12** (M)

3. **56** $\div 100 = 0.56$ (M)

4. $539{,}000 - 56{,}227 =$ **482,773** (W)

5. $6^2 =$ **36** (M)
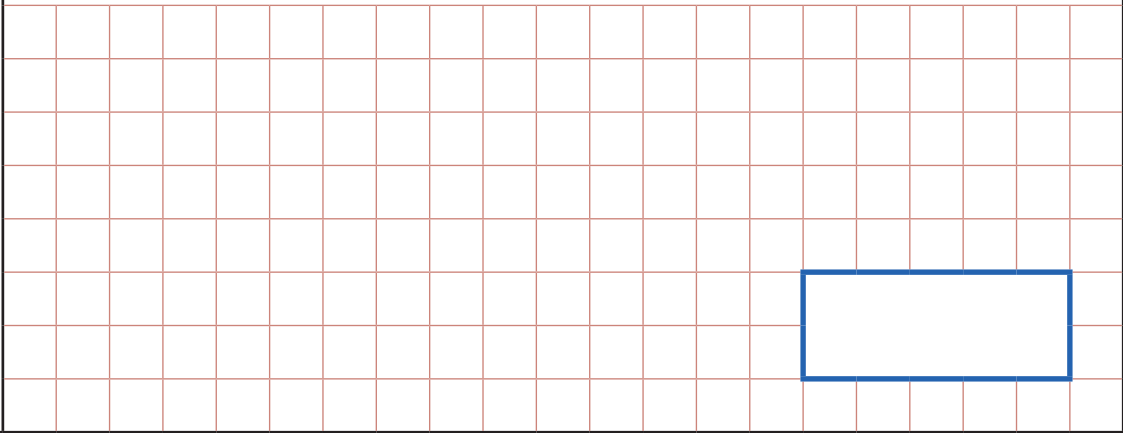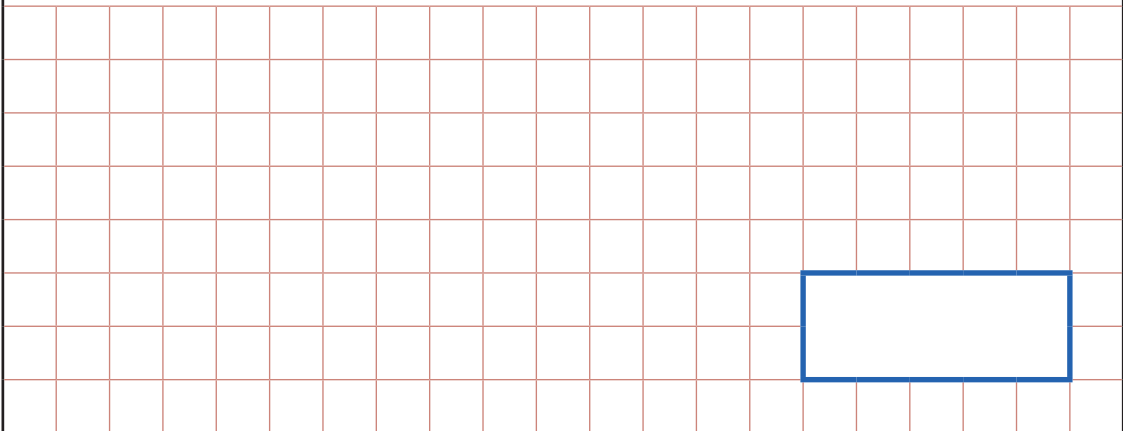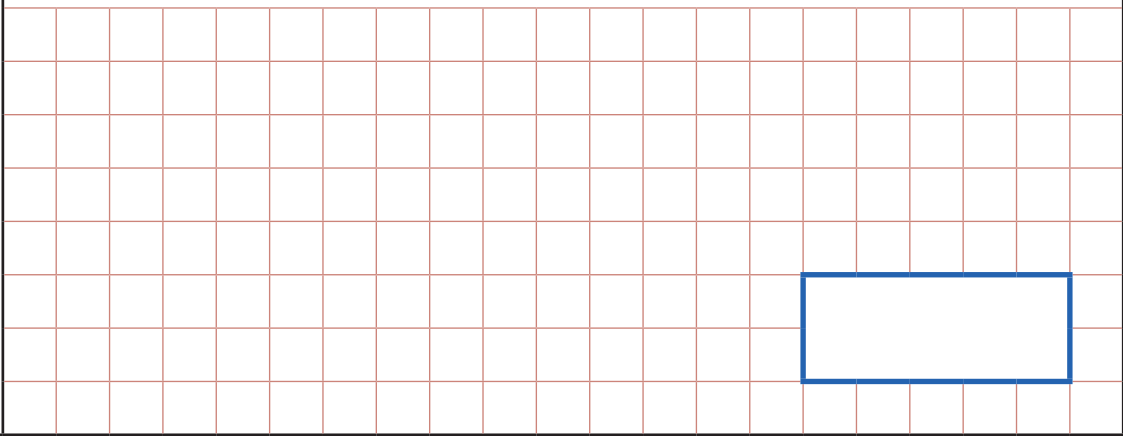
6. $736 + 200 =$ **936** (M)

7. $9\dfrac{6}{10} - 1\dfrac{1}{2} =$ **$8\dfrac{1}{10}$** (M)

Name..

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1   603,385 − 88,160 =

1 mark

2

$$\begin{array}{r} 2\ 0\ 5\ 6 \\ \times \qquad\quad 3 \\ \hline \end{array}$$

1 mark

3   2,511 ÷ 5 =

1 mark

4

$$5\frac{2}{3} - 3\frac{1}{6} =$$

1 mark

5

53 – 47 =

1 mark

6

1,500 ÷ 300 =

1 mark

Challenge yourself!
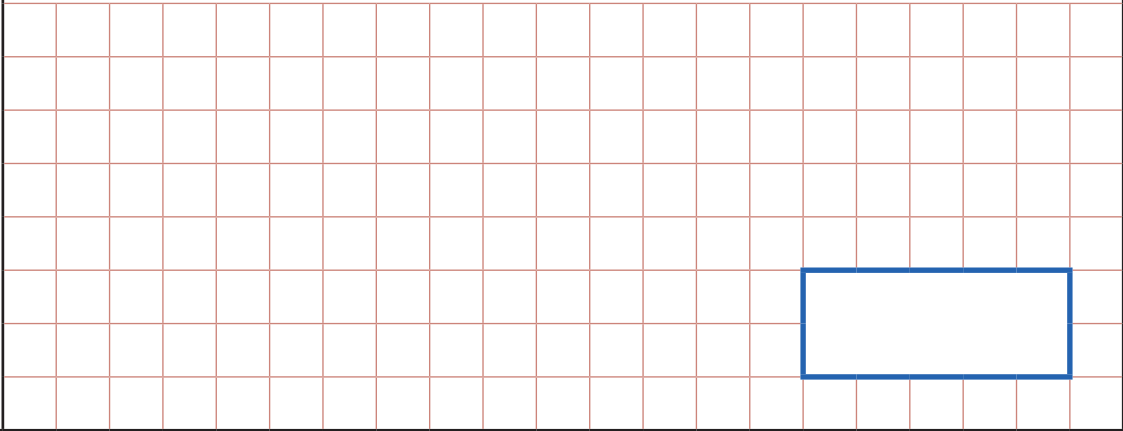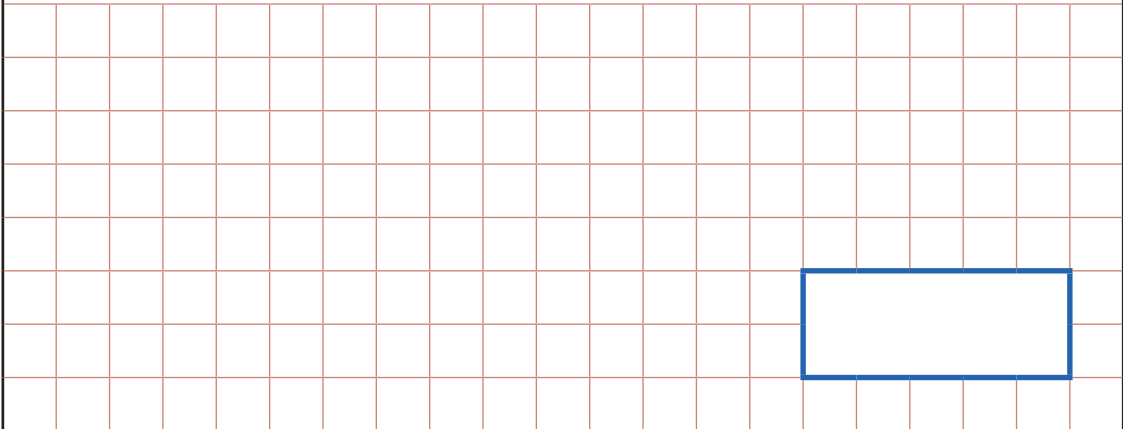
7	$\boxed{} = 40 \div (8 \div 4)$	
		1 mark

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. 603,385 − 88,160 = **515,225** (W)

2. 2,056 x 3 = **6,168** (W)

3. 2,511 ÷ 5 = **502 r 1** *or* **502$\frac{1}{5}$** *or* **502.2** (W)

4. $5\frac{2}{3} - 3\frac{1}{6}$ = **2$\frac{3}{6}$** *or* **2$\frac{1}{2}$** (M)

5. 53 − 47 = **6** (M)

6. 1,500 ÷ 300 = **5** (M)

7. **20** = 40 ÷ (8 ÷ 4) (M)

Name..

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1 $3{,}212 \div 4 =$

1 mark

2 $(19 + 7) \div 2 =$

1 mark

3 $7{,}536 - 3{,}001 =$

1 mark

4   156,400 – 86,148 =

1 mark

5   360 ÷ 60 =

1 mark

6   536 x 9 =

1 mark

Challenge yourself!

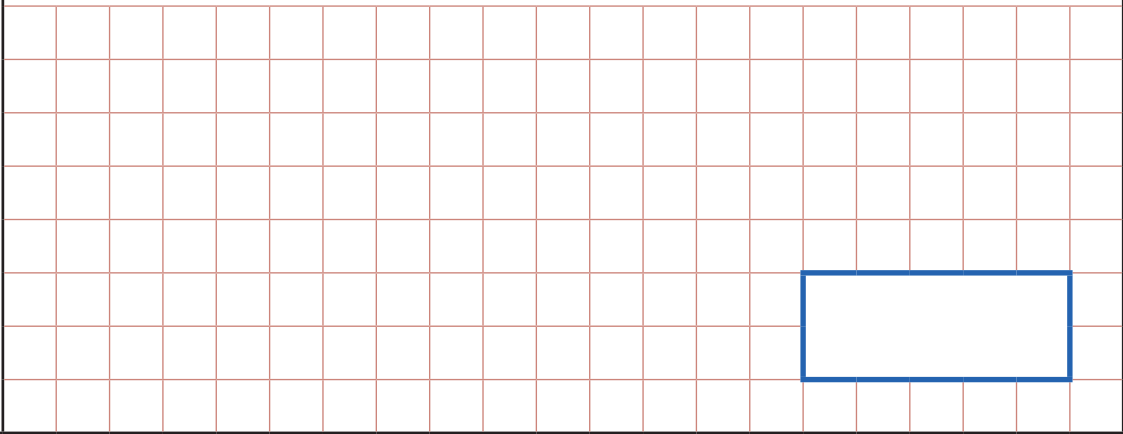| 7	$2\dfrac{1}{8} + 5\dfrac{2}{4} =$	
		1 mark

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. $3{,}212 \div 4 =$ **803** (W)

2. $(19 + 7) \div 2 =$ **13** (M)

3. $7{,}536 - 3{,}001 =$ **4,535** (M)

4. $156{,}400 - 86{,}148 =$ **70,252** (W)

5. $360 \div 60 =$ **6** (M)

6. $536 \times 9 =$ **4,824** (W)

7. $2\frac{1}{8} + 5\frac{2}{4} = \mathbf{7\frac{5}{8}}$ (M)