

# Fluent in Five

Daily Arithmetic Practice  
Week 5

Year 6

## Year 6 - Week 5

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

Now children are confident with the structure of Fluent in Five, the calculation load and complexity is beginning to be increased to a level similar to the end of Key Stage 2 arithmetic test. However, there are still only 2 questions where a formal written method is needed.

- Mental subtraction focuses on subtracting decimals, including where there are an unequal number of decimal places, but where the place value boundaries are not crossed.
- Mental multiplication focuses on multiplying 3 single-digit numbers, using the commutative and associative law (e.g. calculating  $8 \times 3 \times 3$  by understanding that you can calculate  $3 \times 3 = 9$  and then multiply 8 by 9).
- Written addition and subtraction involves decimals, including where there is an unequal number of decimal places. In order to tackle these, it is important that children have a secure understanding of place value in decimals, and the role of 0 as a place holder.
- Addition of fractions with different denominators is introduced for the first time this week, but in this week's questions, one denominator will always be a simple multiple of the other.



Name.....

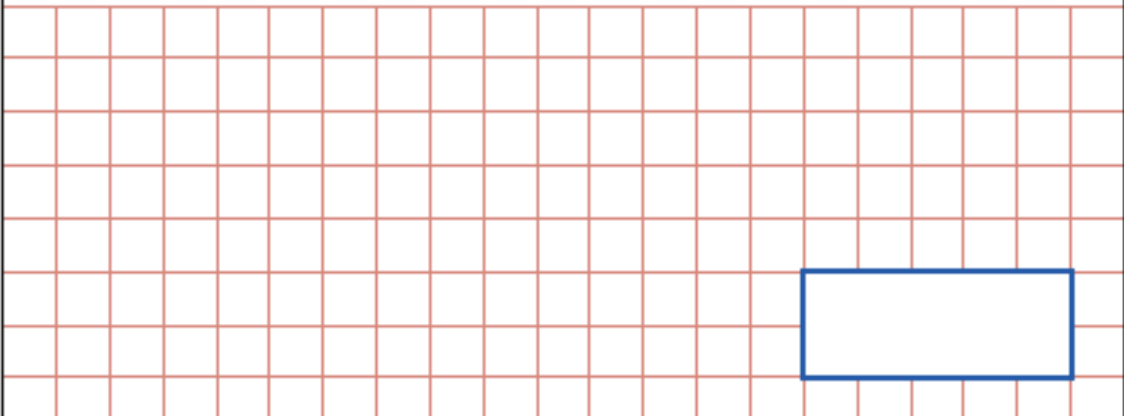

Date..... School.....



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| 1 | $\frac{1}{7} + \frac{3}{7} =$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <input type="checkbox"/><br>1 mark |
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| 2 | $43.34 + 4.894 =$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <input type="checkbox"/><br>1 mark |
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| 3 | $76.4 - 21.2 =$<br> | <br><input data-bbox="1390 705 1469 779" type="checkbox"/> 1 mark |
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| 4 | $5 \times 6 \times 5 =$<br> | <br><input data-bbox="1390 1328 1469 1402" type="checkbox"/> 1 mark |
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| 5 | $683 \times 7 =$<br> | <br><input data-bbox="1390 1951 1469 2024" 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.  $\frac{1}{7} + \frac{3}{7} = \frac{\mathbf{4}}{\mathbf{7}}$  (M)

2.  $43.34 + 4.894 = \mathbf{48.234}$  (W)

3.  $76.4 - 21.2 = \mathbf{55.2}$  (M)

4.  $5 \times 6 \times 5 = \mathbf{150}$  (M)

5.  $683 \times 7 = \mathbf{4,781}$  (W)

Name.....

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

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

|   |                               |                   |
|---|-------------------------------|-------------------|
| 1 | $\frac{1}{3} + \frac{1}{6} =$ | <div>1 mark</div> |
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| 2 | <div></div> - 18,573 = 22,749 | <div>1 mark</div> |
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Fluent in Five - Year 6  
Week 5 - Day 2

3

$$8 \times 3 \times 3 =$$

☐

1 mark

4

$$89.43 - 13.12 =$$

☐

1 mark

5

$$37 \times 78 =$$

☐

2 marks

## 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.  $\frac{1}{3} + \frac{1}{6} = \frac{\mathbf{3}}{\mathbf{6}}$  or  $\frac{\mathbf{1}}{\mathbf{2}}$  (M)

2.  $\mathbf{41,322} - 18,573 = 22,749$  (W)

3.  $8 \times 3 \times 3 = \mathbf{72}$  (M)

4.  $89.43 - 13.12 = \mathbf{76.31}$  (M)

5.  $37 \times 78 = \mathbf{2,886}$  (W)



Name.....

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

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

1

$$87 \div 100 =$$

☐

1 mark

2

$$5 \times 6 \times 5 =$$

☐

1 mark

Fluent in Five - Year 6  
Week 5 - Day 3

3

$$86.49 - 17.9 =$$

☐

1 mark

4

$$\frac{1}{5} + \frac{4}{15} =$$

☐

1 mark

5

$$3,842 \div 5 =$$

☐

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.  $87 \div 100 = \mathbf{0.87}$  (M)

2.  $5 \times 6 \times 5 = \mathbf{150}$  (M)

3.  $86.49 - 17.9 = \mathbf{68.59}$  (W)

4.  $\frac{1}{5} + \frac{4}{15} = \frac{\mathbf{7}}{\mathbf{15}}$  (M)

5.  $3,842 \div 5 = \mathbf{768 \text{ r } 2}$  or  $\mathbf{768 \frac{2}{5}}$  or  $\mathbf{768.4}$  (W)

Name.....

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

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

|   |                               |                               |
|---|-------------------------------|-------------------------------|
| 1 | $\frac{2}{9} + \frac{1}{3} =$ | <div></div> <div>1 mark</div> |
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| 2 | $3 \times 0 \times 9 =$ | <div></div> <div>1 mark</div> |
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| 3 | $76.4 - 16.53 =$ | <input type="text"/><br>1 mark |
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| 4 | $76.39 - 13.2 =$ | <input type="text"/><br>1 mark |
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| 5 | $8,473 + 12,987 =$ | <input type="text"/><br>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.  $\frac{2}{9} + \frac{1}{3} = \frac{\mathbf{5}}{\mathbf{9}}$  (M)

2.  $3 \times 0 \times 9 = \mathbf{0}$  (M)

3.  $76.4 - 16.53 = \mathbf{59.87}$  (W)

4.  $76.39 - 13.2 = \mathbf{63.19}$  (M)

5.  $8,473 + 12,987 = \mathbf{21,460}$  (W)

Name.....

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1

$$800 - 290 =$$

☐

1 mark

2

$$437 \times 5 =$$

☐

1 mark

$$6.394 - 2.13 =$$

$$\frac{2}{7} + \frac{3}{14} =$$

$$87,832 - 12,839 =$$


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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.  $800 - 290 = \mathbf{510}$  (M)

2.  $437 \times 5 = \mathbf{2,185}$  (W)

3.  $6.394 - 2.13 = \mathbf{4.264}$  (M)

4.  $\frac{2}{7} + \frac{3}{14} = \mathbf{\frac{7}{14}}$  or  $\mathbf{\frac{1}{2}}$  (M)

5.  $87,832 - 12,839 = \mathbf{74,993}$  (W)