



THIRD SPACE
LEARNING

Fluent in Five

Questions and Answers

Year 6

Week 5

Year 6 – Week 5

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.



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Year 6

Week 5 – Day 1

$$A. \frac{1}{7} + \frac{3}{7} =$$

$$B. 43.34 + 4.894 =$$

$$C. 76.4 - 21.2 =$$

$$D. 5 \times 6 \times 5 =$$

$$E. 683 \times 7 =$$



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Week 5 – Day 1

(ANSWERS)

$$A. \frac{1}{7} + \frac{3}{7} = \frac{4}{7} \text{ (M)}$$

$$B. 43.34 + 4.894 = 48.234$$

(W)

$$C. 76.4 - 21.2 = 55.2 \text{ (M)}$$

$$D. 5 \times 6 \times 5 = 150 \text{ (M)}$$

$$E. 683 \times 7 = 4,781 \text{ (W)}$$



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Day 2



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Week 5 – Day 2

$$A. \frac{1}{3} + \frac{1}{6} =$$

$$B. ? - 18,573 = 22,749$$

$$C. 8 \times 3 \times 3 =$$

$$D. 89.43 - 13.12 =$$

$$E. 37 \times 78 =$$



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Week 5 – Day 2

(ANSWERS)

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

$$\text{B. } 41,322 - 18,573 = 22,749$$

(W)

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

$$\text{D. } 89.43 - 13.12 = 76.31$$

(M)

$$\text{E. } 37 \times 78 = 2,886 \text{ (W)}$$



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Week 5

Day 3



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Year 6

Week 5 – Day 3

$$A. 87 \div 100 =$$

$$B. 5 \times 6 \times 5 =$$

$$C. 86.49 - 17.9 =$$

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

$$E. 3,842 \div 5 =$$



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Week 5 – Day 3

(ANSWERS)

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

$$B. 5 \times 6 \times 5 = 150 \text{ (M)}$$

$$C. 86.49 - 17.9 = 68.59$$

(W)

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

$$E. 3,842 \div 5 = 768 \text{ r } 2 \text{ or } 768 \frac{2}{5}$$

or 768.4 (W)



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Day 4

$$A. \frac{2}{9} + \frac{1}{3} =$$

$$B. 3 \times 0 \times 9 =$$

$$C. 76.4 - 16.53 =$$

$$D. 76.39 - 13.2 =$$

$$E. 8,473 + 12,987 =$$



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Week 5 – Day 4

(ANSWERS)

$$A. \frac{2}{9} + \frac{1}{3} = \frac{5}{9} \text{ (M)}$$

$$B. 3 \times 0 \times 9 = 0 \text{ (M)}$$

$$C. 76.4 - 16.53 = 59.87$$

(W)

$$D. 76.39 - 13.2 = 63.19$$

(M)

$$E. 8,473 + 12,987 = 21,460$$

(W)



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Week 5

Day 5



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Year 6

Week 5 – Day 5

$$A. 800 - 290 =$$

$$B. 437 \times 5 =$$

$$C. 6.394 - 2.13 =$$

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

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



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Week 5 – Day 5

(ANSWERS)

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

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

$$C. 6.394 - 2.13 = 4.264$$

(M)

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

$$E. 87,832 - 12,839 = 74,993$$

(W)