

Fluent in Five

Daily Arithmetic Practice
Week 10

Year 6

Year 6 - Week 10

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 continue to receive 6 questions each day.

- Questions which involve the order of operations are introduced.
- Questions recap on mental multiplication, division, addition and subtraction content from the previous 9 weeks.
- Pupils are also introduced to the mental division of decimals by decimals for the first time.
- Pupils are introduced to the addition and subtraction of fractions where the denominators are not the same. For the next few weeks, these questions will only require a single conversion.
- Written questions continue to focus on addition and subtraction of decimals, together with long and short division and multiplication.

1

$$490 \div 7 =$$

1 mark

2

$$675.32 - 138.83 =$$

1 mark

3

$$\begin{array}{r} 21 \overline{) 863} \end{array}$$

2 marks

4	$6 + 3 \times 6 =$																				<input type="text"/> 1 mark

5	$\frac{1}{3} + \frac{1}{6} =$																				<input type="text"/> 1 mark

6	$0.6 \div 0.2 =$																				<input type="text"/> 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. $490 \div 7 = \mathbf{70}$ (M)

2. $675.32 - 138.83 = \mathbf{536.49}$ (W)

3. $863 \div 21 = \mathbf{41 \text{ r } 2}$ (W)

4. $6 + 3 \times 6 = \mathbf{24}$ (M)

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

6. $0.6 \div 0.2 = \mathbf{3}$ (M)

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

1	<div data-bbox="279 309 478 358">$1.2 \div 0.3 =$</div> <div data-bbox="1034 712 1305 824"></div>	<div data-bbox="1390 712 1469 790"></div> <div data-bbox="1390 797 1474 828">1 mark</div>
2	<div data-bbox="279 931 481 981">$64 + 130 =$</div> <div data-bbox="1034 1335 1305 1447"></div>	<div data-bbox="1390 1335 1469 1413"></div> <div data-bbox="1390 1420 1474 1451">1 mark</div>
3	<div data-bbox="279 1554 539 1603">$6 \times 3 - 2 \times 5 =$</div> <div data-bbox="1034 1957 1305 2069"></div>	<div data-bbox="1390 1957 1469 2036"></div> <div data-bbox="1390 2042 1474 2074">1 mark</div>

4

$$874.93 - 384.28 =$$

1 mark

5

$$5,432 \div 23 =$$

2 marks

6

$$\frac{3}{4} - \frac{1}{8} =$$

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. $1.2 \div 0.3 = \mathbf{4}$ (M)

2. $64 + 130 = \mathbf{194}$ (M)

3. $6 \times 3 - 2 \times 5 = \mathbf{8}$ (M)

4. $874.93 - 384.28 = \mathbf{490.65}$ (W)

5. $5,432 \div 23 = \mathbf{236 \text{ r } 5}$ (W)

6. $\frac{3}{4} - \frac{1}{8} = \frac{\mathbf{5}}{\mathbf{8}}$ (M)

1	$8.4 + 2.3 =$																				<input type="text"/> 1 mark

2	$\frac{6}{10} - \frac{2}{5} =$																				<input type="text"/> 1 mark

3	$4.3 \times 3 =$																				<input type="text"/> 1 mark

4	$456 \div 19 =$	<div></div> <div>2 marks</div>

5	$453.21 +$ <div></div> $= 843.24$	<div></div> <div>1 mark</div>

6	$6^2 \times 2 + 3$	<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. $8.4 + 2.3 = \mathbf{10.7}$ (M)

2. $\frac{6}{10} - \frac{2}{5} = \frac{\mathbf{2}}{\mathbf{10}}$ or $\frac{\mathbf{1}}{\mathbf{5}}$ (M)

3. $4.3 \times 3 = \mathbf{12.9}$ (M)

4. $456 \div 19 = \mathbf{24}$ (W)

5. $453.21 + \mathbf{390.03} = 843.24$ (W)

6. $6^2 \times 2 + 3 = \mathbf{75}$ (M)

1

$$780 \div 100 =$$

1 mark

2

$$\begin{array}{r} 94 \\ \times 23 \\ \hline \end{array}$$

2 marks

3

$$(3 + 8) \times 3 + 2 =$$

1 mark

4	<div style="border: 1px solid blue; width: 150px; height: 40px; display: inline-block;"></div> + 84.32 = 193.22	<div style="border: 1px solid black; width: 40px; height: 30px; margin: 0 auto;"></div> 1 mark

5	8.1 ÷ 0.9 =	<div style="border: 1px solid black; width: 40px; height: 30px; margin: 0 auto;"></div> 1 mark

6	$\frac{3}{5} \times 5 =$	<div style="border: 1px solid black; width: 40px; height: 30px; margin: 0 auto;"></div> 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. $780 \div 100 = \mathbf{7.8}$ (M)

2. $94 \times 23 = \mathbf{2,162}$ (W)

3. $(3 + 8) \times 3 + 2 = \mathbf{35}$ (M)

4. $\mathbf{108.9} + 84.32 = 193.22$ (W)

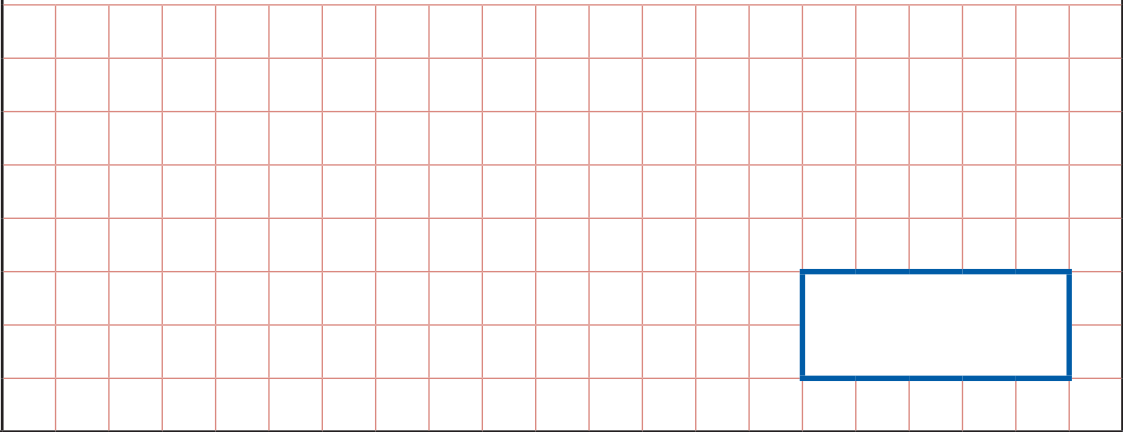
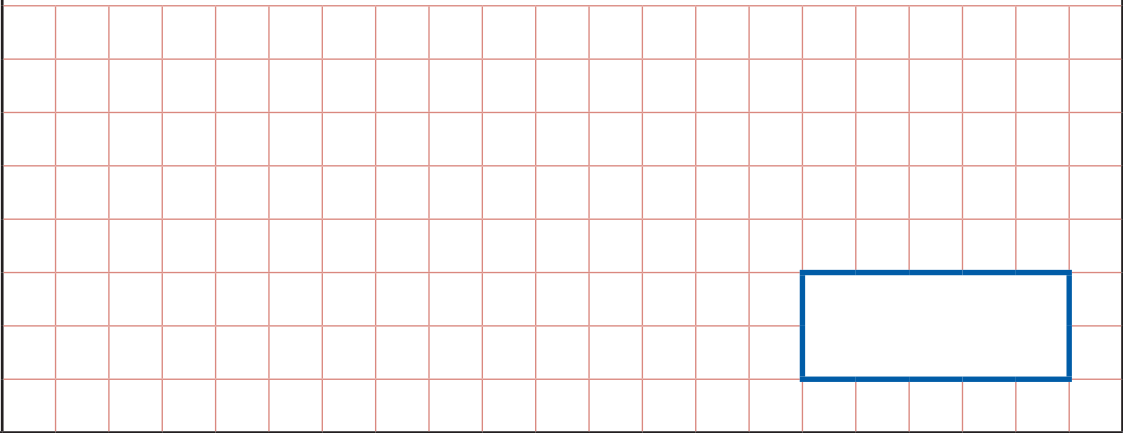
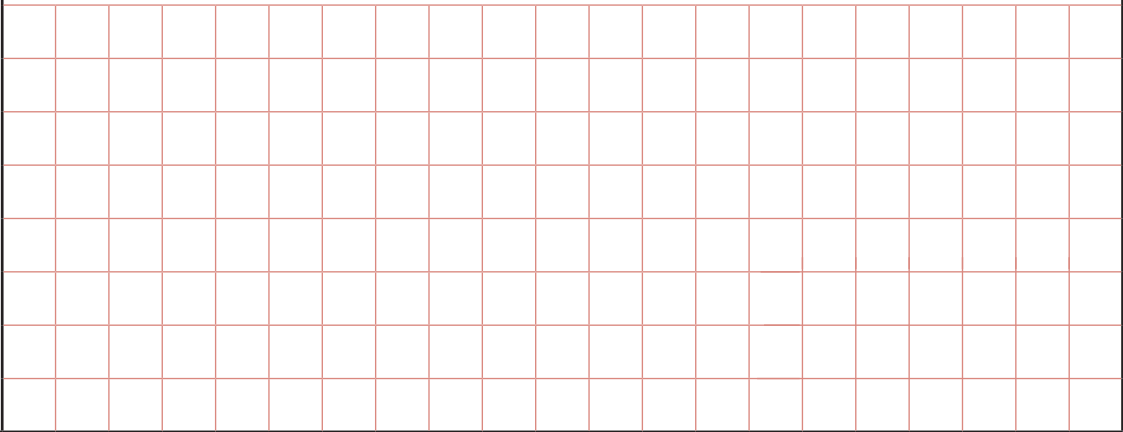
5. $8.1 \div 0.9 = \mathbf{9}$ (M)

6. $\frac{3}{5} \times 5 = \frac{\mathbf{15}}{\mathbf{5}}$ or $\mathbf{3}$ (M)

1	$81 \times 2 =$	<div><input type="text"/></div> <div>1 mark</div>

2	$3^3 + 8 \times 2 =$	<div><input type="text"/></div> <div>1 mark</div>

3	$43 \times 32 =$	<div><input type="text"/></div> <div>2 marks</div>

4	$654.85 - 84.89 =$  <div data-bbox="1031 710 1303 822" style="border: 2px solid blue; width: 171px; height: 50px; position: absolute; top: 317px; left: 646px;"></div>	<div data-bbox="1390 705 1468 784" style="border: 1px solid black; width: 49px; height: 35px; position: absolute; top: 315px; left: 871px;"></div> <div data-bbox="1380 779 1474 813" style="position: absolute; top: 348px; left: 865px;">1 mark</div>
5	$0.49 \div 0.07 =$  <div data-bbox="1031 1332 1303 1444" style="border: 2px solid blue; width: 171px; height: 50px; position: absolute; top: 595px; left: 646px;"></div>	<div data-bbox="1390 1328 1468 1406" style="border: 1px solid black; width: 49px; height: 35px; position: absolute; top: 593px; left: 871px;"></div> <div data-bbox="1380 1402 1474 1435" style="position: absolute; top: 626px; left: 865px;">1 mark</div>
6	$54 \times $ <div data-bbox="373 1529 649 1641" style="border: 2px solid blue; width: 173px; height: 50px; position: absolute; top: 683px; left: 234px;"></div> $= 0$ 	<div data-bbox="1390 1939 1468 2018" style="border: 1px solid black; width: 49px; height: 35px; position: absolute; top: 866px; left: 871px;"></div> <div data-bbox="1380 2016 1474 2049" style="position: absolute; top: 900px; left: 865px;">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. $81 \times 2 = \mathbf{162}$ (M)

2. $33 + 8 \times 2 = \mathbf{43}$ (M)

3. $43 \times 32 = \mathbf{1,376}$ (W)

4. $654.85 - 84.89 = \mathbf{569.96}$ (W)

5. $0.49 \div 0.07 = \mathbf{7}$ (M)

6. $54 \times \mathbf{0} = 0$ (M)