

Fluent in Five

Daily Arithmetic Practice
Week 24

Year 6

Year 6 - Week 24

Please note, we recommend reading 'Your Guide to Using Fluent in Five' before using these resources with your class.

This week in a nutshell

As children begin to near the end of key stage 2 statutory assessments, there are no longer specific focus questions for mental or written methods within this resource. Instead, questions will be taken from the full range of objectives, as shown in the progression document.

[illegible]

2	<div style="margin-bottom: 10px;">$463 \times 24 =$</div> <div style="height: 150px; background-color: #f0f0f0; position: relative;"><div style="position: absolute; bottom: 10px; right: 10px; width: 150px; height: 50px; border: 2px solid blue;"></div></div>
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3	<p>40% of 530 =</p> <div style="border: 1px solid #ccc; height: 150px; margin-top: 10px;"></div>		<div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto;"></div> <p>1 mark</p>
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4	$5.62 + 1.35 =$																				<input type="text"/> 1 mark

5	$6,834 - 2,999 =$																				<input type="text"/> 1 mark

6	$54.356 + 23.869 =$																				<input type="text"/> 1 mark

Challenge yourself!

7

$$x \cdot 9 = 36$$

1 mark

8

$$559,644 + 62,948 =$$

1 mark

Answer Sheet

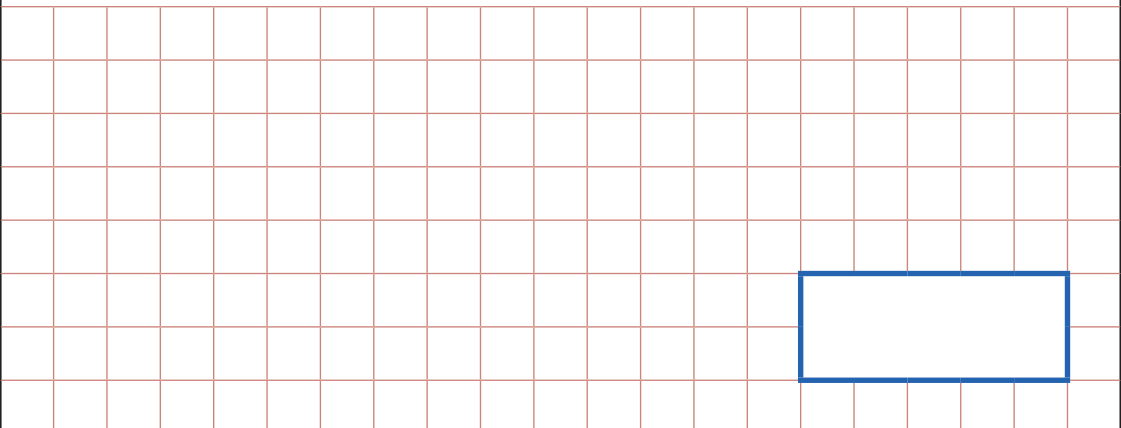
Remember, (M) is written next to those questions you should have tried to solve mentally first. (W) means a written method is usually more efficient for this question.


1. $7,119 \div 3 = \mathbf{2,373}$ (W)
2. $463 \times 24 = \mathbf{11,112}$ (W)
3. $40\% \text{ of } 530 = \mathbf{212}$ (M)
4. $5.62 + 1.35 = \mathbf{6.97}$ (M)
5. $6,834 - 2,999 = \mathbf{3,835}$ (M)
6. $54.356 + 23.869 = \mathbf{78.225}$ (W)
7. $\mathbf{4} \times 9 = 36$ (M)
8. $559,644 + 62,948 = \mathbf{622,592}$ (W)


1	$\frac{2}{6}$ of 42 =	<div style="border: 1px solid black; width: 100px; height: 100px; margin: 0 auto;"></div> <div>1 mark</div>

2	$2^3 =$	<div style="border: 1px solid black; width: 100px; height: 100px; margin: 0 auto;"></div> <div>1 mark</div>

3	954,900 – <div style="border: 1px solid black; width: 100px; height: 30px; display: inline-block;"></div> = 572,936	<div style="border: 1px solid black; width: 100px; height: 100px; margin: 0 auto;"></div> <div>1 mark</div>

4	$5 + 9 + 9 =$		<div style="border: 1px solid black; width: 40px; height: 30px; margin: 0 auto;"></div> <p>1 mark</p>
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5	$73 - 48 =$		<div style="border: 1px solid black; width: 40px; height: 30px; margin: 0 auto;"></div> <p>1 mark</p>
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6	$63 \times 455 =$		<div style="border: 1px solid black; width: 40px; height: 30px; margin: 0 auto;"></div> <p>2 marks</p>
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Challenge yourself!

7

$$\begin{array}{r} 672 \\ x 34 \\ \hline \end{array}$$

2 marks

8

$$1,652 \div 5 =$$

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. $\frac{2}{6}$ of 42 = **14** (M)

2. $2^3 = \mathbf{8}$ (M)

3. $954,900 - \mathbf{381,964} = 572,936$ (W)

4. $5 + 9 + 9 = \mathbf{23}$ (M)

5. $73 - 48 = \mathbf{25}$ (M)

6. $63 \times 455 = \mathbf{28,665}$ (W)

7. $672 \times 34 = \mathbf{22,848}$ (W)

8. $1,652 \div 5 = \mathbf{330 \text{ r}2}$ or $\mathbf{330 \frac{2}{5}}$ or $\mathbf{330.4}$ (W)

1	$49 \div (3 + 4) =$	<div></div> <div>1 mark</div>

2	$7 - 12 =$	<div></div> <div>1 mark</div>

3	$67 + 35 =$	<div></div> <div>1 marks</div>

4

$= 428,883 + 367,336$

1 mark

5

$5 \times 25 =$

1 mark

6

$992 + 40 =$

1 mark

Challenge yourself!

7

$$\frac{3}{5} \text{ of } 75 =$$

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1 mark

8

$$248 \times 44 =$$

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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. $49 \div (3 + 4) = \mathbf{7}$ (M)
2. $7 - 12 = -\mathbf{5}$ (M)
3. $67 + 35 = \mathbf{102}$ (M)
4. $\mathbf{796,219} = 428,883 + 367,336$ (W)
5. $5 \times 25 = \mathbf{125}$ (M)
6. $992 + 40 = \mathbf{1,032}$ (M)
7. $\frac{3}{5}$ of 75 = $\mathbf{45}$ (M)
8. $248 \times 44 = \mathbf{10,912}$ (W)

1	$24 \times 77 =$	<div style="border: 1px solid black; width: 100px; height: 30px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 40px; height: 30px; margin: 0 auto;"></div> 2 marks

2	$1\frac{4}{5} + \frac{2}{10} =$	<div style="border: 1px solid black; width: 100px; height: 30px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 40px; height: 30px; margin: 0 auto;"></div> 1 mark

3	$0.849 - $ <div style="border: 1px solid black; width: 100px; height: 30px; display: inline-block; vertical-align: middle;"></div> $ = 0.249$	<div style="border: 1px solid black; width: 40px; height: 30px; margin: 0 auto;"></div> 1 mark

4

$$\frac{3}{4} \text{ of } 80 =$$

1 mark

5

$$\begin{array}{r} 961331 \\ - 388156 \\ \hline \end{array}$$

1 mark

6

$$\boxed{} \div 1,000 = 0.006 \text{ (M)}$$

1 mark

Challenge yourself!

7

$$\begin{array}{r} 65668 \\ + 46509 \\ \hline \end{array}$$

1 mark

8

$$3,786 \div 3 =$$

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. $24 \times 77 = \mathbf{1,848}$ (W)

2. $1\frac{4}{5} + \frac{2}{10} = \mathbf{2}$ (M)

3. $0.849 - \mathbf{0.6} = 0.249$ (M)

4. $\frac{3}{4}$ of 80 = **60** (M)

5. $961,331 - 388,156 = \mathbf{573,175}$ (W)

6. $\mathbf{6} \div 1,000 = 0.006$ (M)

7. $65.668 + 46.509 = \mathbf{112.177}$ (W)

8. $3,786 \div 3 = \mathbf{1,262}$ (W)

1	$737 + 500 =$	<div></div> 1 mark

2	<div></div> $\div 8 = 7$	<div></div> 1 mark

3	$602,139 + 494,639 =$	<div></div> 1 mark

4	$54 + 56 \div 7 =$	<div style="border: 1px solid blue; width: 150px; height: 30px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 40px; height: 30px; margin: 0 auto;"></div> <p>1 mark</p>
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5	$27 \times 0 =$	<div style="border: 1px solid blue; width: 150px; height: 30px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 40px; height: 30px; margin: 0 auto;"></div> <p>1 mark</p>
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6	$7,564 \div 8 =$	<div style="border: 1px solid blue; width: 150px; height: 30px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 40px; height: 30px; margin: 0 auto;"></div> <p>1 mark</p>
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Challenge yourself!

7

$$2\frac{1}{2} \times 5 =$$

1 mark

8

$$\begin{array}{r} 258 \\ x 55 \\ \hline \end{array}$$

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. $737 + 500 = \mathbf{1,237}$ (M)

2. $\mathbf{56} \div 8 = 7$ (M)

3. $602,139 + 494,639 = \mathbf{1,096,778}$ (W)

4. $54 + 56 \div 7 = \mathbf{62}$ (M)

5. $27 \times 0 = \mathbf{0}$ (M)

6. $7,564 \div 8 = \mathbf{945 \text{ r}4}$ or $\mathbf{945 \frac{4}{5}}$ or $\mathbf{945.5}$ (W)

7. $2 \frac{1}{2} \times 5 = \mathbf{12 \frac{1}{2}}$ (M)

8. $258 \times 55 = \mathbf{14,190}$ (W)