

Fluent in Five

Daily Arithmetic Practice
Week 8

Year 6

Year 6 - Week 8

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

- The addition of fractions presented as mixed numbers is introduced for the first time.
- Pupils are also introduced to multiplying fractions by whole numbers.

Note: For both of these styles of questions, answers can be given in any equivalent form.

- Pupils are introduced to the squared notation (2) for the first time.
- Mental multiplication and division skills from the previous 7 weeks are recapped throughout the week.
- Written methods continue to focus on long and short multiplication, short division and addition and subtraction of large numbers.

1

$$57,694 + 67,896 =$$



1 mark

2

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



1 mark

3

$$3.21 \times 3 =$$



1 mark

$$679,329 - 34,672 =$$


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1 mark

 $3^2 =$ 

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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. $57,694 + 67,896 = \mathbf{125,590}$ (W)

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

3. $3.21 \times 3 = \mathbf{9.63}$ (M)

4. $679,329 - 34,672 = \mathbf{644,657}$ (W)

5. $3^2 = \mathbf{9}$ (M)

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

1

$$347 \times 6 =$$

☐

1 mark

2

$$9,832 + 124,866 =$$

☐


1 mark


3

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

☐

1 mark

4	$3.43 \times 3 =$  <div data-bbox="1029 712 1305 824" style="border: 1px solid blue; width: 173px; height: 50px; margin: 10px auto;"></div>	<div data-bbox="1390 712 1469 790" style="border: 1px solid black; width: 50px; height: 35px; margin: 10px auto;"></div> <p>1 mark</p>
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5	$\frac{2}{5} \times 3 =$  <div data-bbox="1029 1330 1305 1442" style="border: 1px solid blue; width: 173px; height: 50px; margin: 10px auto;"></div>	<div data-bbox="1390 1330 1469 1408" style="border: 1px solid black; width: 50px; height: 35px; margin: 10px auto;"></div> <p>1 mark</p>
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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. $347 \times 6 = \mathbf{2,082}$ (W)


2. $9,832 + 124,866 = \mathbf{134,698}$ (W)


3. $6\frac{1}{3} + 1\frac{2}{3} = \mathbf{8}$ (M)

4. $3.43 \times 3 = \mathbf{10.29}$ (M)

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

1	$34 \times 21 =$		<div style="border: 1px solid black; width: 40px; height: 30px; margin: 0 auto;"></div> <p>2 marks</p>
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2	$784 \div 9 =$		<div style="border: 1px solid black; width: 40px; height: 30px; margin: 0 auto;"></div> <p>1 mark</p>
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3	$3\frac{1}{4} + 1\frac{1}{4} =$		<div style="border: 1px solid black; width: 40px; height: 30px; margin: 0 auto;"></div> <p>1 mark</p>
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4

$$\frac{1}{3} \text{ of } \boxed{} = 21$$

☐

1 mark

5

$$9^2$$

☐

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. $34 \times 21 = \mathbf{714}$ (W)
2. $784 \div 9 = \mathbf{87 \frac{1}{9}}$ or $\mathbf{87 \text{ r } 1}$ (W)
3. $3\frac{1}{4} + 1\frac{1}{4} = \mathbf{4\frac{2}{4}}$ or $\mathbf{4\frac{1}{2}}$ (M)
4. $\frac{1}{3}$ of $\mathbf{63} = 21$ (M)
5. $9^2 = \mathbf{81}$ (M)

1

$$879 \times 9 =$$

☐

1 mark

2

$$\div 3 = 1.45$$

☐

1 mark

3

$$\frac{3}{5} \times 2 =$$

☐

1 mark

4

$$12^2 =$$

1 mark

5

$$896,932 - 1,859 =$$

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. $879 \times 9 = \mathbf{7,911}$ (W)

2. $\mathbf{4.35} \div 3 = 1.45$ (M)

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

4. $12^2 = \mathbf{144}$ (M)

5. $896,932 - 1,859 = \mathbf{895,073}$ (W)

1	$65 \times 13 =$	<div><input type="checkbox"/></div> <div>2 marks</div>

2	$\frac{2}{7} \times 3 =$	<div><input type="checkbox"/></div> <div>1 mark</div>

3	<div><input type="text"/></div> $- 1\frac{1}{3} = 11\frac{1}{3}$	<div><input type="checkbox"/></div> <div>1 mark</div>

4	$\frac{3}{5}$ of = 15	<div style="border: 1px solid blue; width: 100px; height: 30px; margin: 0 auto;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; margin: 10px auto;"></div> 1 mark

5	6 3 9 2	<div style="border: 1px solid blue; width: 100px; height: 30px; margin: 0 auto;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; margin: 10px 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. $65 \times 13 = \mathbf{845}$ (W)

2. $\frac{2}{7} \times 3 = \frac{\mathbf{6}}{7}$ (M)

3. $\mathbf{12\frac{2}{3}} - 1\frac{1}{3} = 11\frac{1}{3}$ (M)

4. $\frac{3}{5}$ of $\mathbf{25} = 15$ (M)

5. $392 \div 6 = \mathbf{65 \text{ r } 2}$ or $\mathbf{65\frac{2}{6}}$ or $\mathbf{65\frac{1}{3}}$ or $\mathbf{65.33}$ (W)