

Fluent in Five

Daily Arithmetic Practice
Week 8

Year 5


Year 5 - 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


- Pupils are introduced to multiplying fractions by whole numbers. For both of these styles of questions, answers can be given in any equivalent form.
- Mental multiplication and division skills from the previous 7 weeks are recapped throughout the week, and pupils are also introduced to mentally multiplying by 25 for the first time.
- This week, pupils are introduced to questions which involve the multiplication of two 2-digit numbers using a written method for the first time.


Note, questions which require the use of a written method to multiply a 2-digit number by a 2-digit number will always gain 2 marks in the arithmetic test. In these questions, a method mark is awarded where there is no more than 1 arithmetic error in a complete method.

1	$57,694 + 67,896 =$  <input data-bbox="1029 712 1305 824" type="text"/>	<input data-bbox="1390 712 1469 786" type="checkbox"/> 1 mark
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2	$\frac{1}{3} + \frac{1}{3} =$  <input data-bbox="1029 1332 1305 1444" type="text"/>	<input data-bbox="1390 1332 1469 1406" type="checkbox"/> 1 mark
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3	$5 \times 25 =$  <input data-bbox="1029 1955 1305 2067" type="text"/>	<input data-bbox="1390 1955 1469 2029" type="checkbox"/> 1 mark
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4	$75 \times 21 =$ 	<input data-bbox="1385 701 1465 779" type="checkbox"/> 2 marks
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5	$42 \div 7 =$ 	<input data-bbox="1385 1326 1465 1404" 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. $57,694 + 67,896 = \mathbf{125,590}$ (W)

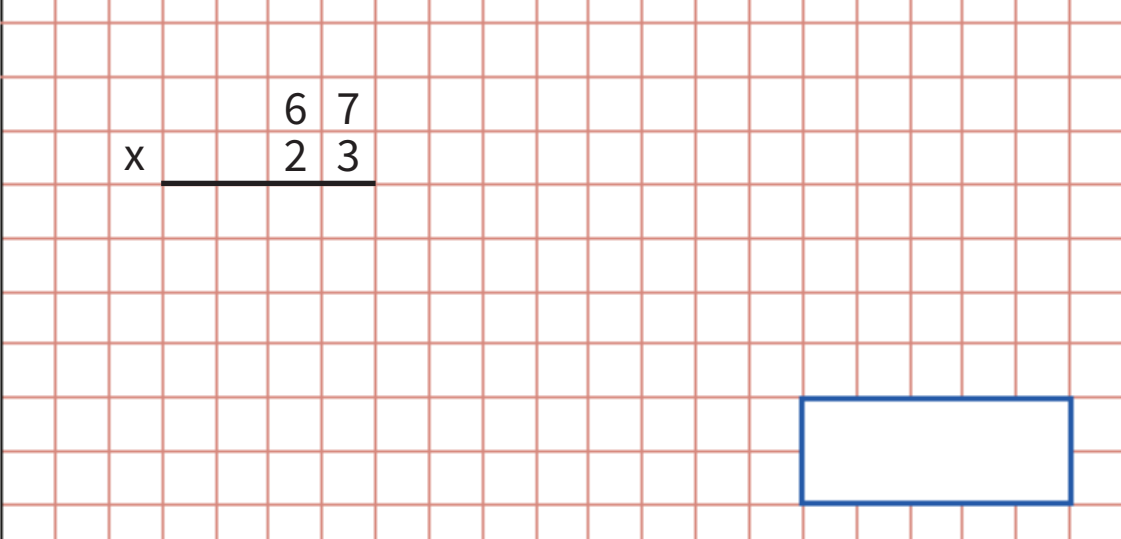
2. $\frac{1}{3} + \frac{1}{3} = \frac{\mathbf{2}}{\mathbf{3}}$ (M)


3. $5 \times 25 = \mathbf{125}$ (M)

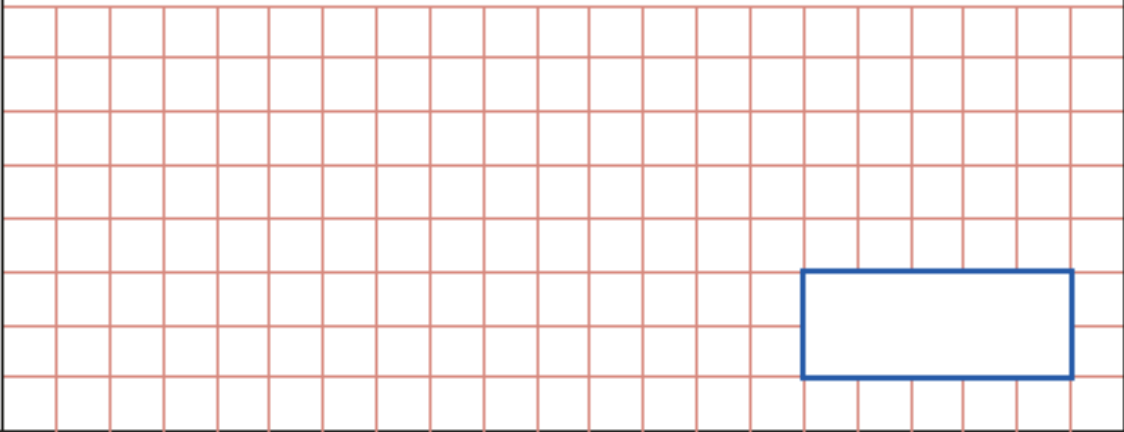
4. $75 \times 21 = \mathbf{1,575}$ (W)

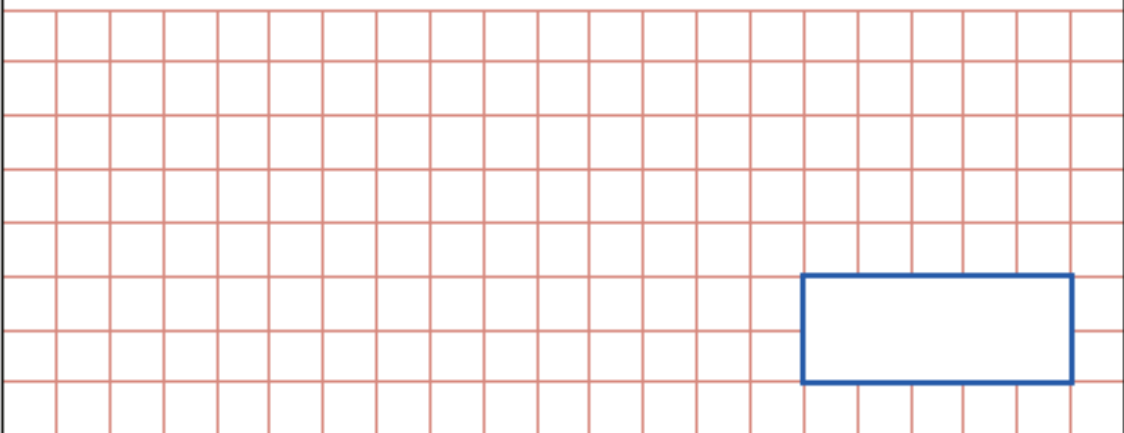
5. $42 \div 7 = \mathbf{6}$ (M)

1	$347 \times 6 =$	
		<input type="checkbox"/> 1 mark

2	$\begin{array}{r} 67 \\ x 23 \\ \hline \end{array}$	
		<input type="checkbox"/> 2 marks

3	$\frac{1}{8} + \frac{6}{8} =$	
		<input type="checkbox"/> 1 mark

4	$11 \times 25 =$ 	<input data-bbox="1388 705 1468 795" type="checkbox"/> 1 mark
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5	$\frac{2}{5} \times 3 =$ 	<input data-bbox="1388 1332 1468 1422" 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.

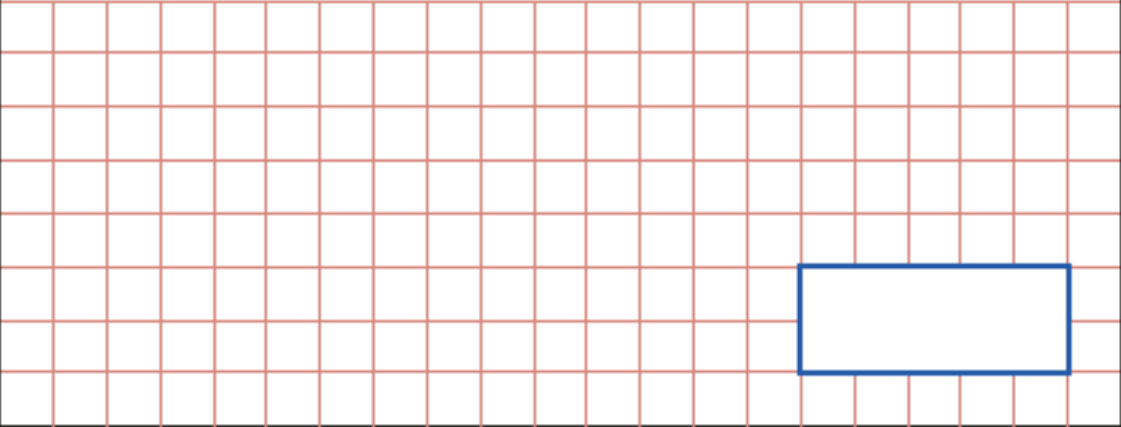
1. $347 \times 6 = \mathbf{2,082}$ (W)

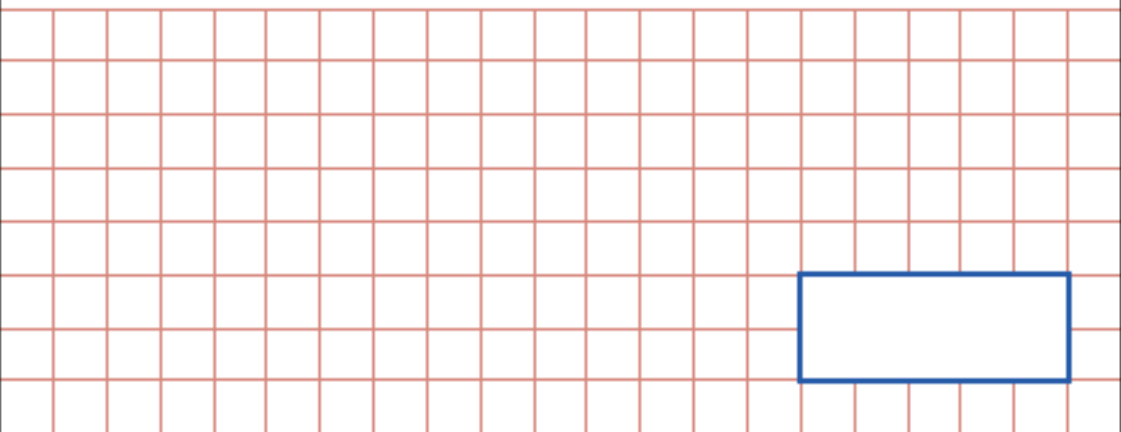
2. $67 \times 23 = \mathbf{1,541}$ (W)

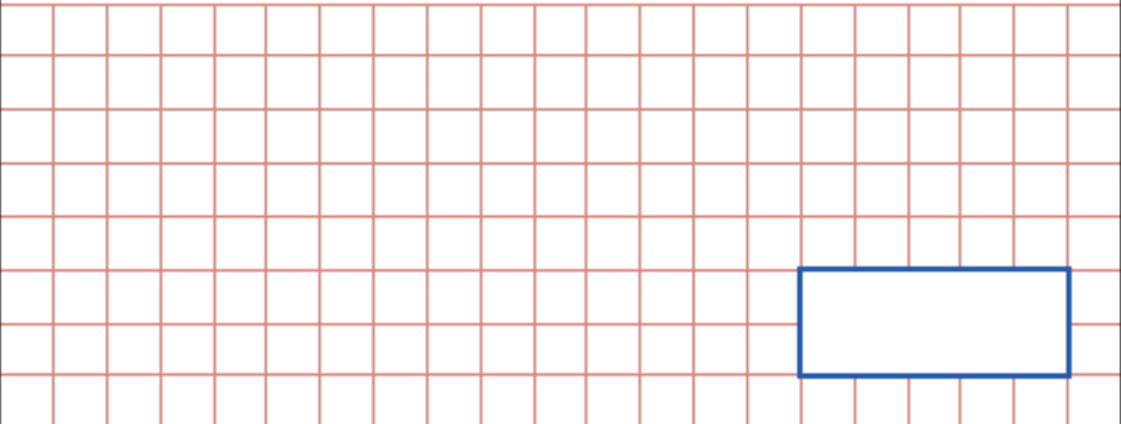
3. $\frac{1}{8} + \frac{6}{8} = \frac{\mathbf{7}}{\mathbf{8}}$ (M)

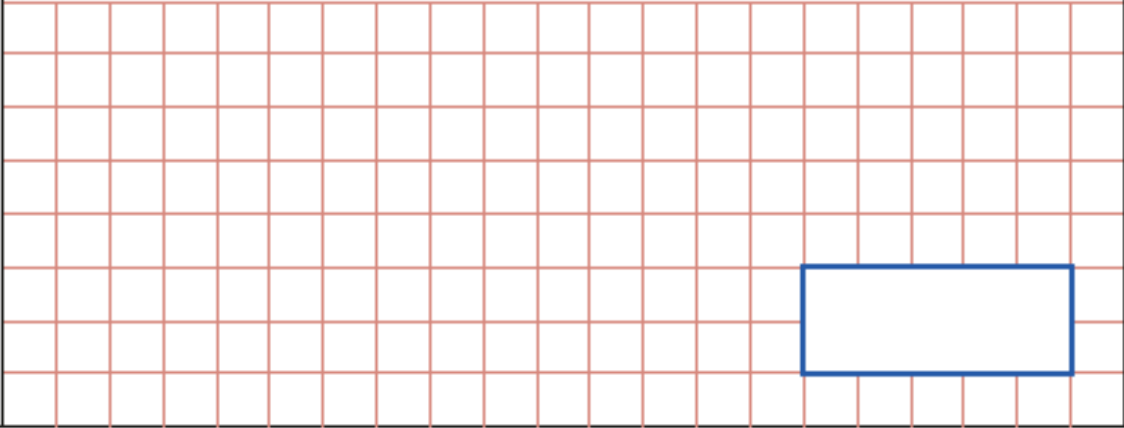
4. $11 \times 25 = \mathbf{275}$ (M)

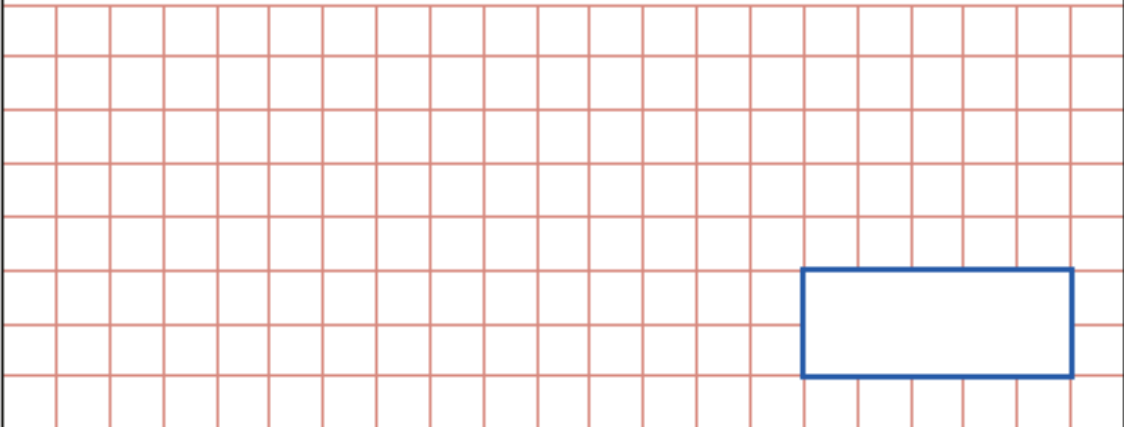
5. $\frac{2}{5} \times 3 = \frac{\mathbf{6}}{\mathbf{5}}$ or $\mathbf{1\frac{1}{5}}$ (M)

1	$34 \times 21 =$		<input type="checkbox"/> 2 marks
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2	$784 \div 9 =$		<input type="checkbox"/> 1 mark
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3	$\frac{1}{15} + \frac{11}{15} =$		<input type="checkbox"/> 1 mark
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4	$\frac{1}{3} \times 2 =$ 	<input data-bbox="1390 703 1469 779" type="checkbox"/> 1 mark
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5	$20 \times 25 =$ 	<input data-bbox="1390 1326 1469 1402" 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. $34 \times 21 = \mathbf{714}$ (W)

2. $784 \div 9 = \mathbf{87\frac{1}{9}}$ or $\mathbf{87\ r\ 1}$ (W)

3. $\frac{1}{15} + \frac{11}{15} = \frac{\mathbf{12}}{\mathbf{15}}$ (M)

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

5. $20 \times 25 = \mathbf{500}$ (M)

1	$879 \times 9 =$	<input type="text"/> 1 mark
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2	<input type="text"/> $\div 3 = 20$	<input type="text"/> 1 mark
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3	$\frac{3}{5} \times 2 =$	<input type="text"/> 1 mark
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4

$60 \times 60 =$

1 mark

5

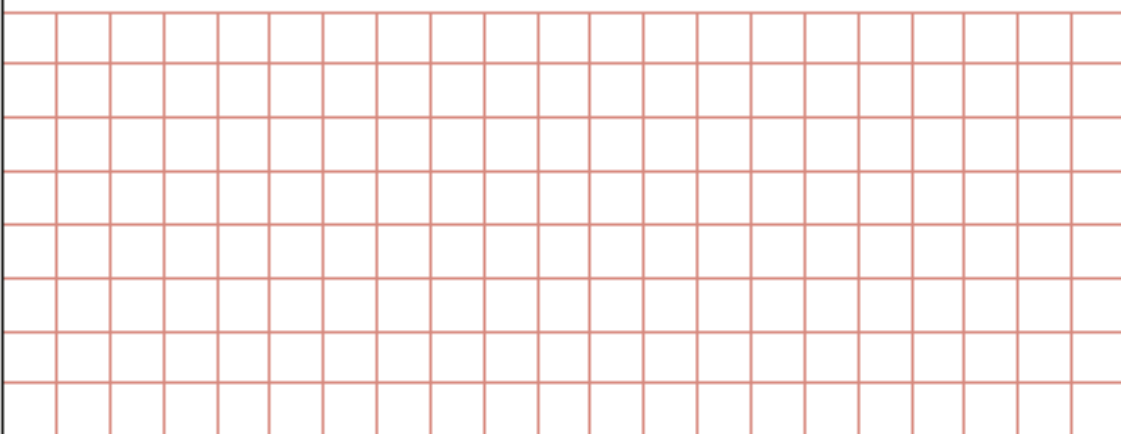
$$\begin{array}{r} 896932 \\ - \quad 1859 \\ \hline \end{array}$$

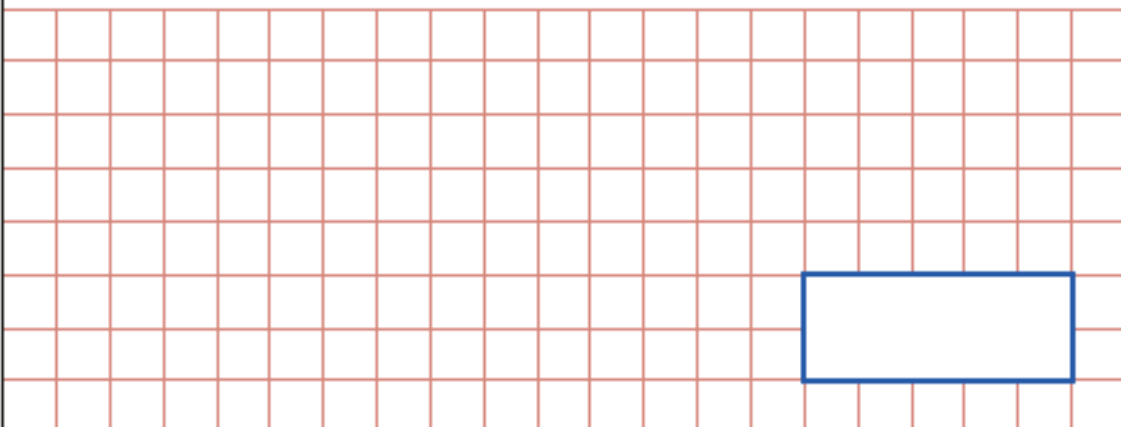
1 mark

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. $\mathbf{60} \div 3 = 20$ (M)
3. $\frac{3}{5} \times 2 = \frac{\mathbf{6}}{\mathbf{5}}$ or $\mathbf{1} \frac{\mathbf{1}}{\mathbf{5}}$ (M)
4. $60 \times 60 = \mathbf{3,600}$ (M)
5. $896,932 - 1,859 = \mathbf{895,073}$ (W)

1	$65 \times 13 =$ 	<input data-bbox="1364 705 1444 795" type="checkbox"/> 2 marks
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2	$\frac{2}{7} \times 3 =$ 	<input data-bbox="1364 1332 1444 1422" type="checkbox"/> 1 mark
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3	$25 \times 25 =$ 	<input data-bbox="1364 1960 1444 2049" type="checkbox"/> 1 mark
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4	$\frac{1}{5}$ of <input data-bbox="392 297 667 409" type="text"/> = 15	<input data-bbox="1390 707 1465 779" type="checkbox"/> 1 mark
		

5	392 ÷ 6 =	<input data-bbox="1390 1305 1465 1377" type="checkbox"/> 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. $25 \times 25 = \mathbf{625}$ (M)

4. $\frac{1}{5}$ of $\mathbf{75} = 15$ (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)