

Fluent in Five

Daily Arithmetic Practice
Week 19

Year 6

Year 6 - Week 19

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

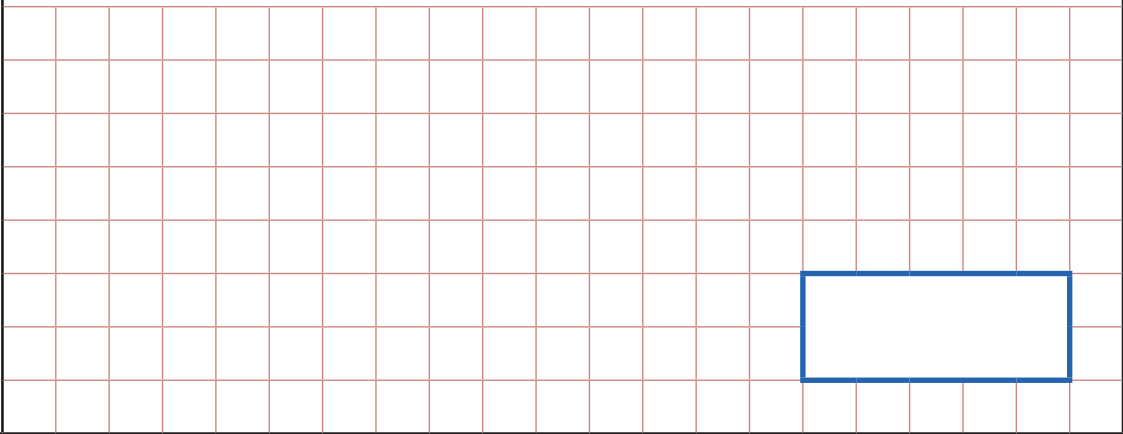
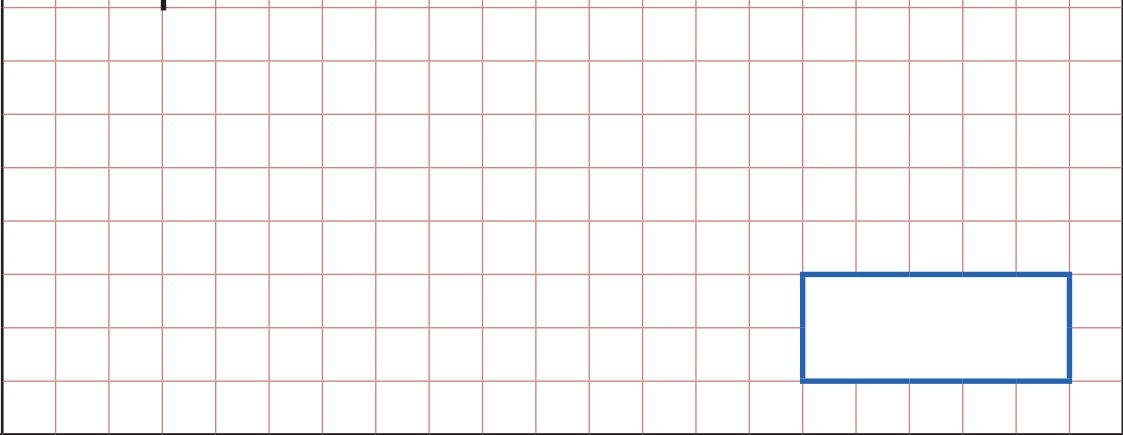
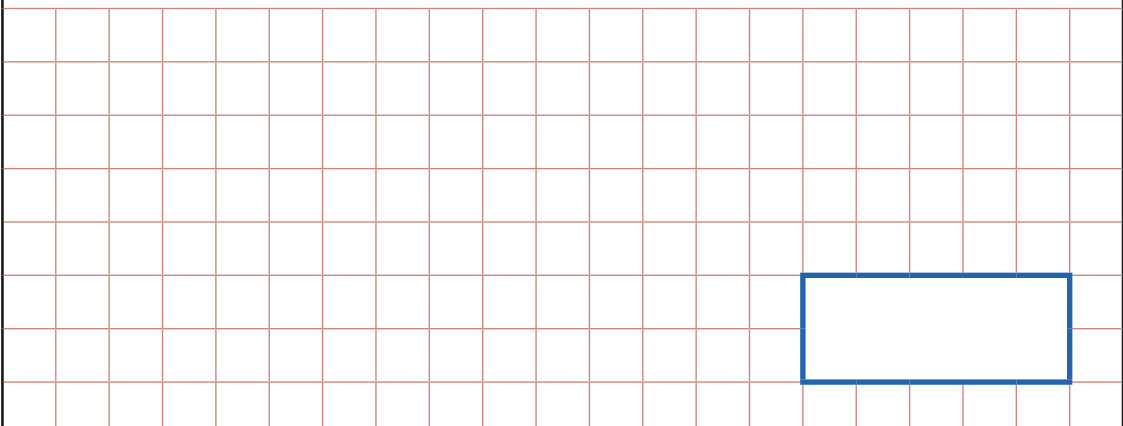
This week in a nutshell

- Mental multiplication this week focuses on multiplying decimals with up to 2 decimal places by a single digit number and multiplying pairs of single digit decimals together. Mental addition and subtraction questions this week focus on adding and subtracting decimal numbers.
- Written methods for all operations are taken from across the full range of objectives.
- Proportionality questions this week focus on children finding percentages of numbers.



1	<div style="border: 1px solid blue; width: 150px; height: 40px; display: inline-block;"></div> - 287,324 = 672,442	<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div> 1 mark

2	4.2 x 1.2 =	<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div> 1 mark

3	25% of 620 =	<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div> 1 mark

4	$4.5 + 3.9 =$  <div data-bbox="1031 712 1305 824" style="border: 1px solid blue; width: 172px; height: 50px; margin: 10px auto;"></div>	<div data-bbox="1390 707 1469 786" style="border: 1px solid black; width: 50px; height: 35px; margin: 0 auto;"></div> <div data-bbox="1380 784 1479 815" style="text-align: center;">1 mark</div>
5	$5 \overline{) 4222}$  <div data-bbox="1031 1335 1305 1447" style="border: 1px solid blue; width: 172px; height: 50px; margin: 10px auto;"></div>	<div data-bbox="1390 1330 1469 1408" style="border: 1px solid black; width: 50px; height: 35px; margin: 0 auto;"></div> <div data-bbox="1380 1406 1479 1438" style="text-align: center;">1 mark</div>
6	$5,134 \times 26 =$  <div data-bbox="1031 1957 1305 2069" style="border: 1px solid blue; width: 172px; height: 50px; margin: 10px auto;"></div>	<div data-bbox="1390 1953 1469 2031" style="border: 1px solid black; width: 50px; height: 35px; margin: 0 auto;"></div> <div data-bbox="1372 2029 1484 2060" style="text-align: center;">2 marks</div>

Challenge yourself!

7	<div data-bbox="279 421 464 465">$1.55 \times 3 =$</div> <div data-bbox="229 555 1356 983"></div>	<div data-bbox="1390 815 1468 893"></div> <div data-bbox="1390 896 1468 922">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. **959,766** – 287,324 = 672,442 (W)

2. $4.2 \times 1.2 = \mathbf{5.04}$ (M)

3. 25% of 620 = **155** (M)

4. $4.5 + 3.9 = \mathbf{8.4}$ (M)

5. $4,222 \div 5 = \mathbf{844 \text{ r}2}$ (W)

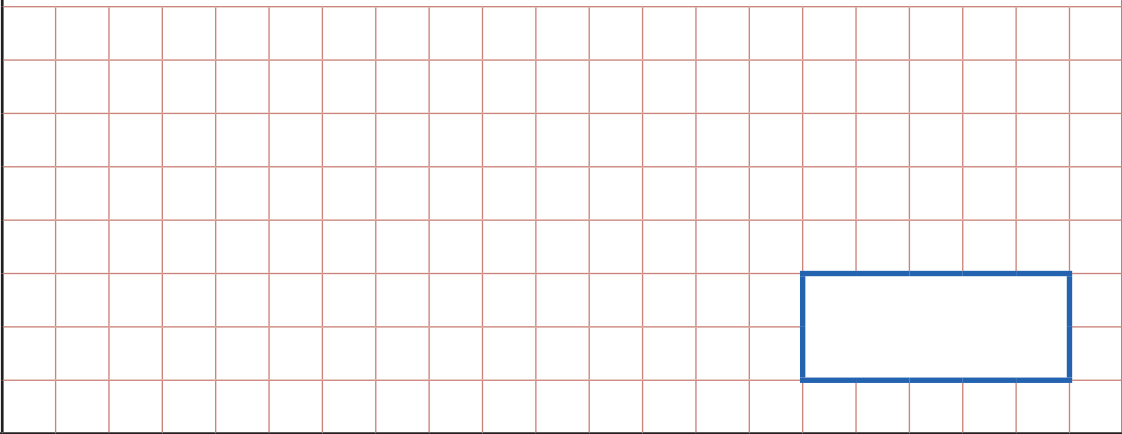
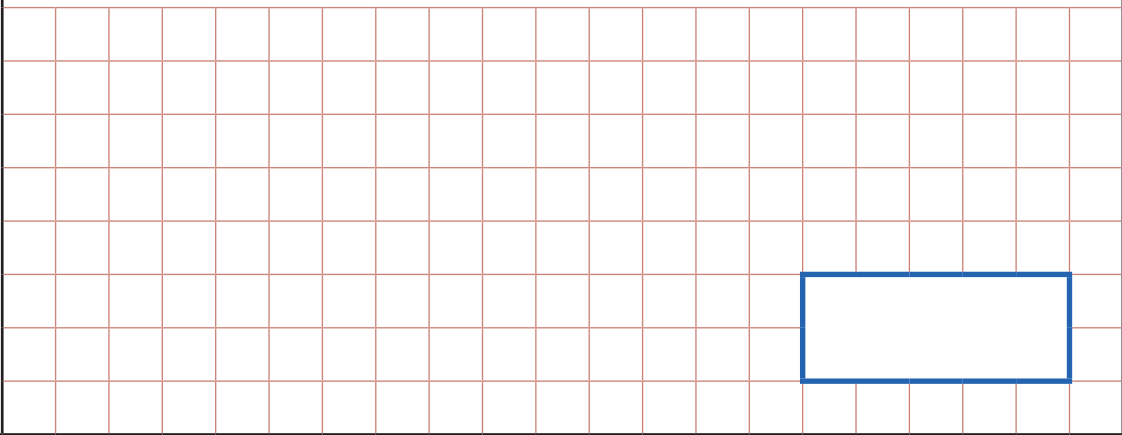
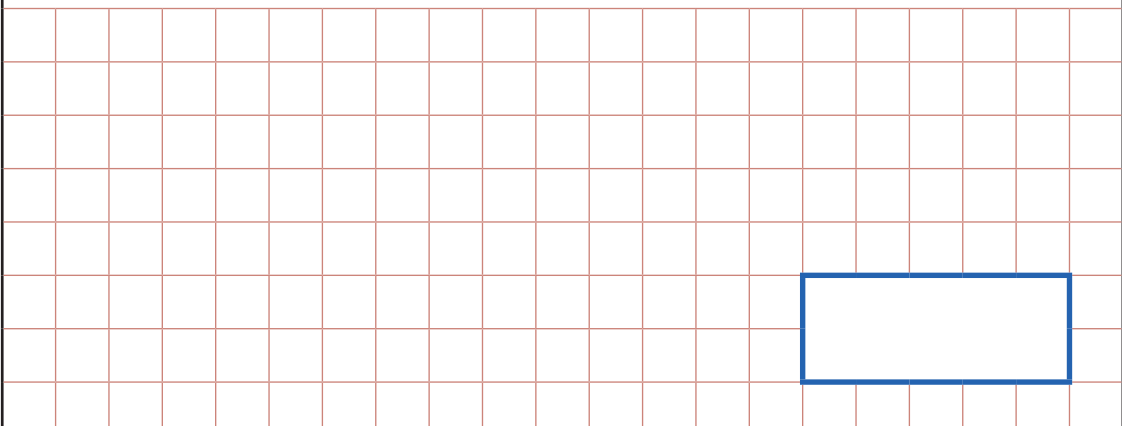
6. $5,134 \times 26 = \mathbf{133,484}$ (W)

7. $1.55 \times 3 = \mathbf{4.65}$ (M)



1	$3.21 \times 5 =$	<div></div> <div>1 marks</div>

2	$15.8 - 9.3 =$	<div></div> <div>1 mark</div>

3	$1,506 \times 47 =$	<div></div> <div>2 marks</div>

4	$6.3 \times 1.3 =$  <div data-bbox="1031 712 1303 824" style="border: 1px solid blue; width: 171px; height: 50px; position: absolute; bottom: 20px; right: 20px;"></div>	<div data-bbox="1390 707 1469 786" style="border: 1px solid black; width: 50px; height: 35px; position: absolute; bottom: 20px; right: 20px;"></div> <div data-bbox="1385 786 1474 815" style="position: absolute; bottom: 20px; right: 20px;">1 mark</div>
5	$825,410 - 592,989 =$  <div data-bbox="1031 1335 1303 1447" style="border: 1px solid blue; width: 171px; height: 50px; position: absolute; bottom: 20px; right: 20px;"></div>	<div data-bbox="1390 1330 1469 1408" style="border: 1px solid black; width: 50px; height: 35px; position: absolute; bottom: 20px; right: 20px;"></div> <div data-bbox="1385 1408 1474 1438" style="position: absolute; bottom: 20px; right: 20px;">1 mark</div>
6	$15\% \text{ of } 420 =$  <div data-bbox="1031 1957 1303 2069" style="border: 1px solid blue; width: 171px; height: 50px; position: absolute; bottom: 20px; right: 20px;"></div>	<div data-bbox="1390 1953 1469 2031" style="border: 1px solid black; width: 50px; height: 35px; position: absolute; bottom: 20px; right: 20px;"></div> <div data-bbox="1385 2031 1474 2060" style="position: absolute; bottom: 20px; right: 20px;">1 mark</div>

Challenge yourself!

7	<div data-bbox="279 421 478 465">$3824 \div 6 =$</div> <div data-bbox="229 555 1356 983"></div>	<div data-bbox="1390 815 1468 893"></div> <div data-bbox="1390 896 1468 922">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. $3.21 \times 5 = \mathbf{16.05}$ (M)

2. $15.8 - 9.3 = \mathbf{6.5}$ (M)

3. $1,506 \times 47 = \mathbf{70,782}$ (W)

4. $6.3 \times 1.3 = \mathbf{8.19}$ (M)

5. $825,410 - 592,989 = \mathbf{232,421}$ (W)

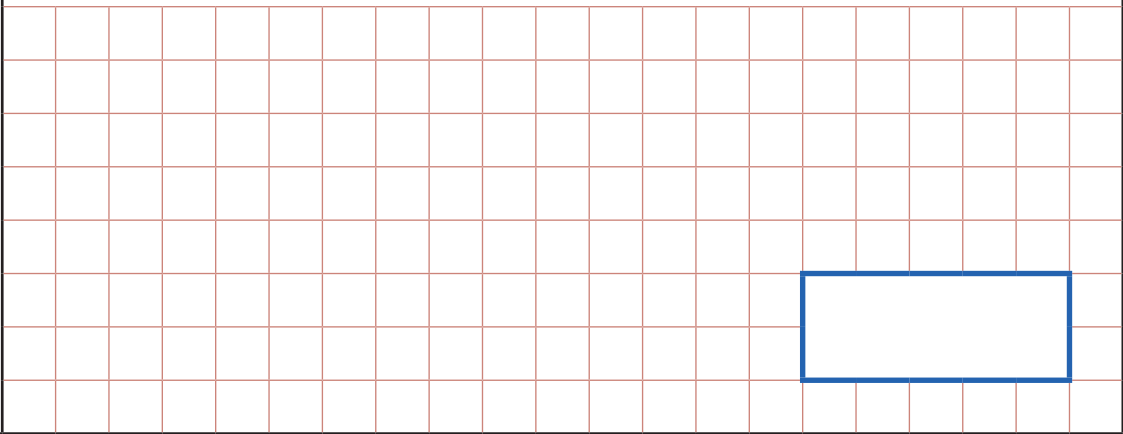
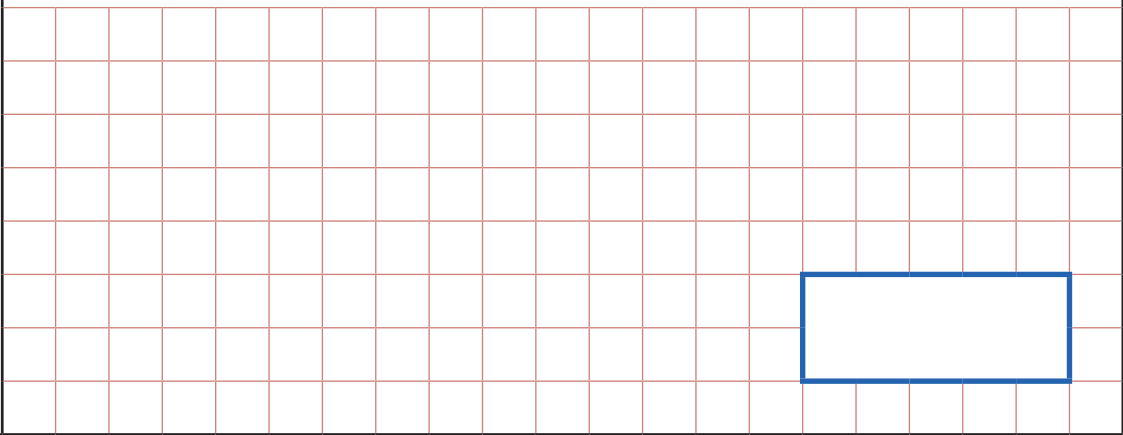
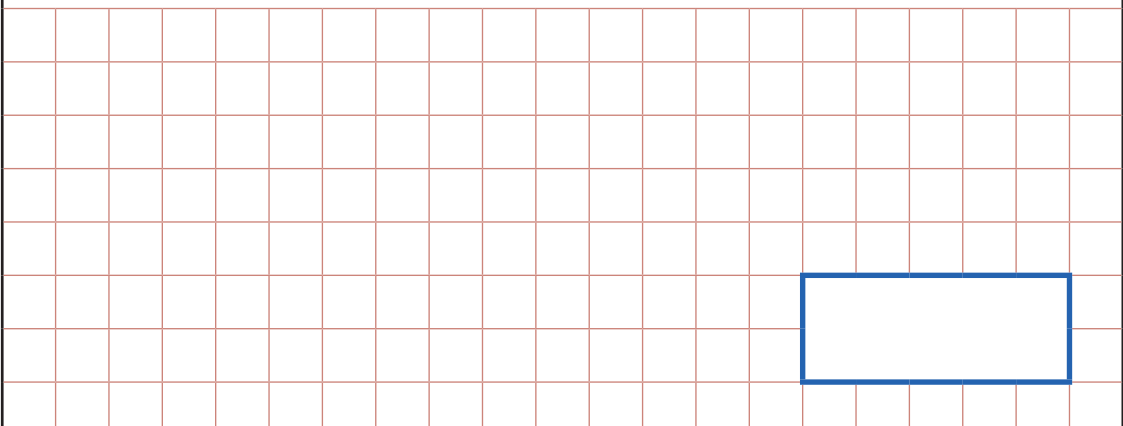
6. 15% of 420 = **63** (M)

7. $3824 \div 6 = \mathbf{637 \text{ r}2}$ (W)

1	5.7 + 4.4 =	<div></div> <div>1 mark</div>

2	704,111 - 562,686 =	<div></div> <div>1 mark</div>

3	75% of 32 =	<div></div> <div>1 mark</div>

4	$1.4 \times 3.5 =$  <div data-bbox="1031 712 1305 824" style="border: 1px solid blue; width: 172px; height: 50px; margin: 10px auto;"></div>	<div data-bbox="1390 707 1469 786" style="border: 1px solid black; width: 50px; height: 35px; margin: 0 auto;"></div> <div data-bbox="1385 786 1474 815" style="text-align: center;">1 mark</div>
5	$4.15 \times 6 =$  <div data-bbox="1031 1335 1305 1447" style="border: 1px solid blue; width: 172px; height: 50px; margin: 10px auto;"></div>	<div data-bbox="1390 1330 1469 1408" style="border: 1px solid black; width: 50px; height: 35px; margin: 0 auto;"></div> <div data-bbox="1385 1408 1474 1438" style="text-align: center;">1 mark</div>
6	$2417 \div 5 =$  <div data-bbox="1031 1957 1305 2069" style="border: 1px solid blue; width: 172px; height: 50px; margin: 10px auto;"></div>	<div data-bbox="1390 1953 1469 2031" style="border: 1px solid black; width: 50px; height: 35px; margin: 0 auto;"></div> <div data-bbox="1385 2031 1474 2060" style="text-align: center;">1 mark</div>

Challenge yourself!

7

$$\begin{array}{r}
 4742 \\
 \times \quad 23 \\
 \hline
 \end{array}$$

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. $5.7 + 4.4 = \mathbf{10.1}$ (M)
2. $704,111 - 562,686 = \mathbf{141,425}$ (W)
3. $75\% \text{ of } 32 = \mathbf{24}$ (M)
4. $1.4 \times 3.5 = \mathbf{4.9}$ (M)
5. $4.15 \times 6 = \mathbf{24.9}$ (M)
6. $2417 \div 5 = \mathbf{483 \text{ r}2}$ (W)
7. $4,742 \times 23 = \mathbf{109,066}$ (W)

1	$2.7 \times 1.1 =$	<div></div> <div>1 mark</div>

2	$3,392 \times 29 =$	<div></div> <div>2 marks</div>

3	$5,407 \div 3 =$	<div></div> <div>1 mark</div>

4

$$11.6 - 3.5 =$$

1 mark

5

$$\begin{array}{r} - 186994 \\ 450761 \end{array}$$



1 mark

6

$$2.06 \times 3 =$$

1 mark

Challenge yourself!

7	<div data-bbox="279 421 510 465">20% of 40 =</div> <div data-bbox="229 555 1356 983"></div>	<div data-bbox="1390 815 1469 893"></div> <div data-bbox="1390 896 1469 925">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. $2.7 \times 1.1 = \mathbf{2.97}$ (M)
2. $3,392 \times 29 = \mathbf{98,368}$ (W)
3. $5,407 \div 3 = \mathbf{1,802 \text{ r}1}$ (W)
4. $11.6 - 3.5 = \mathbf{8.1}$ (M)
5. $\mathbf{637,755} - 186,994 = 450,761$ (W)
6. $2.06 \times 3 = \mathbf{6.18}$ (M)
7. $20\% \text{ of } 40 = \mathbf{8}$ (M)

	5	9	9	1	3	4
+	2	0	3	4	1	5

10

2

$$\square - 5.8 = 7.6$$

11

3

$$5.4 \times 3 =$$

A blank coordinate grid with a blue L-shaped axis and a red grid pattern.

--	--

1 mark

4	$4,572 \div 4 =$	<input type="text"/> 1 mark

5	$5.3 \times 1.2 =$	<input type="text"/> 1 mark

6	$5,832 \times 35 =$	<input type="text"/> 2 marks

Challenge yourself!

7	10% of <input data-bbox="427 421 703 533" type="text"/> = 8.5	<div data-bbox="1390 815 1468 893" style="border: 1px solid black; width: 49px; height: 35px; margin: 0 auto;"></div> <div data-bbox="1390 896 1468 922" style="text-align: center;">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. $599,134 + 203,415 = \mathbf{802,549}$ (W)

2. $\mathbf{13.4} - 5.8 = 7.6$ (M)

3. $5.4 \times 3 = \mathbf{16.2}$ (M)

4. $4,572 \div 4 = \mathbf{1,143}$ (W)

5. $5.3 \times 1.2 = \mathbf{6.36}$ (M)

6. $5,832 \times 35 = \mathbf{204,120}$ (W)

7. 10% of $\mathbf{85} = 8.5$ (M)