

# Big Maths Beat That!: Teacher Notes

| CLIC Challenge 19 |                                     |          |                                                                    |
|-------------------|-------------------------------------|----------|--------------------------------------------------------------------|
|                   | Step Location in the CLIC framework |          | Title of Step                                                      |
|                   | Progress Drive                      | Step No. |                                                                    |
| <b>Q1</b>         | Counting: Core Numbers              | 10       | I can understand numbers with different decimal places             |
| <b>Q2</b>         | Counting: Counting Along            | 7        | I can find the gap between a negative number and a positive number |
| <b>Q3</b>         | Calc: +                             | 41       | I can solve any 2dp + 1dp                                          |
| <b>Q4</b>         | Calc: -                             | 37       | I can subtract numbers with different decimal places               |
| <b>Q5</b>         | Calc: x                             | 18       | I can solve 1d x 1d.2dp                                            |
| <b>Q6</b>         | Calc: ÷                             | 33       | I can combine 2 or more table facts to solve decimal division      |
| <b>Q7</b>         | Column Methods: +                   | 14       | I can add numbers with mixed amounts of decimal places             |
| <b>Q8</b>         | Column Methods: -                   | 12       | I can subtract numbers with mixed amount of dp                     |
| <b>Q9</b>         | Column Methods: x                   | 11       | I can solve any 1d.2dp x 2d                                        |
| <b>Q10</b>        | Column Methods: ÷                   | 10       | I can solve division with decimal places in the answer             |



Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1 Place in order  
1.444 1.71 1.6

2  $\begin{array}{r} 4 \\ -10 \\ \hline \end{array}$  The gap is

3  $8.67 + 9.8 =$

4  $5.6 - 3.75 =$

5  $6 \times 2.37 =$

6  $43.8 \div 6 =$

7  $8.689 + 6.54 =$

8  $8.625 - 4.8 =$

9  $\begin{array}{r} 5.24 \\ \times 26 \\ \hline \end{array}$

10  $22 \overline{)672}$





Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1 Place in order  
3.8 3.286 3.82

2  $\begin{array}{r} 3 \\ -6 \end{array}$  The gap is

3  $4.36 + 5.9 =$

4  $8.4 - 5.84 =$

5  $3 \times 5.24 =$

6  $27.6 \div 4 =$

7  $34.75 + 5.86 =$

8  $3.463 - 1.7 =$

9  $\begin{array}{r} 3.52 \\ \times 46 \\ \hline \end{array}$

10  $16 \overline{)856}$





Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1 Place in order  
2.61 2.604 27

2 The gap is  
5  
-7

3  $6.54 + 3.7 =$

4  $7.8 - 2.52 =$

5  $5 \times 4.68 =$

6  $38.5 \div 5 =$

7  $4.928 + 12.63 =$

8  $5.718 - 2.84 =$

9 
$$\begin{array}{r} 6.15 \\ \times 37 \\ \hline \end{array}$$

10 
$$15 \overline{)708}$$





Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1 Place in order  
4.057 4.7 4.57

2  $\begin{array}{r} 7 \\ -4 \\ \hline \end{array}$  The gap is

3  $7.85 + 4.6 =$

4  $6.37 - 4.6 =$

5  $4 \times 8.56 =$

6  $52.5 \div 7 =$

7  $7.37 + 8.956 =$

8  $4.346 - 1.56 =$

9  $\begin{array}{r} 4.67 \\ \times 23 \\ \hline \end{array}$

10  $28 \overline{) 778}$





Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1 Place in order  
6.3 6.18 6.381

2 The gap is  
8  
-5

3  $5.79 + 6.5 =$

4  $4.51 - 1.8 =$

5  $7 \times 1.85 =$

6  $67.2 \div 8 =$

7  $9.536 + 4.88 =$

8  $13.4 - 6.83 =$

9 
$$\begin{array}{r} 184 \\ \times 57 \\ \hline \end{array}$$

10 
$$\begin{array}{r} 24 \overline{)894} \end{array}$$





Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1 Place in order  
5.86 5.6 5.876

2 The gap is  
9  
-3

3  $9.33 + 8.8 =$

4  $5.32 - 3.7 =$

5  $8 \times 3.43 =$

6  $59.4 \div 6 =$

7  $13.6 + 5.74 =$

8  $42.3 - 7.56 =$

9 
$$\begin{array}{r} 233 \\ \times 65 \\ \hline \end{array}$$

10 
$$32 \overline{)472}$$





Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1 Place in order  
7.463 7.34 7.6

2  $\begin{array}{r} 10 \\ -8 \\ \hline \end{array}$  The gap is

3  $8.53 + 7.8 =$

4  $3.7 - 1.645 =$

5  $4 \times 7.63 =$

6  $75.6 \div 9 =$

7  $12468 + 9.8 =$

8  $6.4 - 3.176 =$

9  $\begin{array}{r} 38 \\ \times 84 \\ \hline \end{array}$

10  $48 \overline{)6828}$





Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1 Place in order  
9.5 9.516 9.52

2 The gap is  
2  
-10

3  $4.86 + 8.5 =$

4  $5.4 - 3.784 =$

5  $6 \times 4.74 =$

6  $39.2 \div 7 =$

7  $12468 + 9.8 =$

8  $6.4 - 3.176 =$

9 
$$\begin{array}{r} 5.07 \\ \times 76 \\ \hline \end{array}$$

10 
$$16 \overline{)1014}$$





Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1 Place in order  
8.07 8.162 8.1

2  $\begin{array}{r} 4 \\ -6 \end{array}$  The gap is

3  $6.47 + 6.7 =$

4  $8.25 - 2.378 =$

5  $9 \times 8.52 =$

6  $46.4 \div 8 =$

7  $185 + 8069 + 154 =$

8  $18.1 - 6.748 =$

9  $\begin{array}{r} 4.84 \\ \times 49 \\ \hline \end{array}$

10  $24 \overline{)6870}$





Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1 Place in order  
3.465 3.4 3.45

2  $\begin{array}{r} 8 \\ -9 \end{array}$  The gap is

3  $7.75 + 9.3 =$

4  $7.68 - 3.546 =$

5  $8 \times 6.57 =$

6  $61.2 \div 9 =$

7  $273.82 + 75 + 61.48 =$

8  $25.3 - 7.654 =$

9  $\begin{array}{r} 6.65 \\ \times 87 \\ \hline \end{array}$

10  $56 \overline{)268}$





Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1 Place in order  
1.444 1.71 1.6  
**1.444 1.6 1.71**

2  $\begin{array}{r} 4 \\ -10 \\ \hline \end{array}$  The gap is  
**14**

3  $8.67 + 9.8 =$   
**18.47**

4  $5.6 - 3.75 =$   
**1.85**

5  $6 \times 2.37 =$   
**14.22**

6  $43.8 \div 6 =$   
**7.3**

7  $8.689 + 6.54 =$   
**15.229**

8  $8.625 - 4.8 =$   
**3.825**

9  $\begin{array}{r} 5.24 \\ \times 26 \\ \hline \end{array}$   
**136.24**

10  $\begin{array}{r} 305.5 \\ 22 \overline{)672} \end{array}$





Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1 Place in order  
3.8 3.286 3.82  
**3.286 3.8 3.82**

2  $\begin{array}{r} 3 \\ -6 \end{array}$  The gap is  
**9**

3  $4.36 + 5.9 =$   
**10.26**

4  $8.4 - 5.84 =$   
**2.56**

5  $3 \times 5.24 =$   
**15.72**

6  $27.6 \div 4 =$   
**6.9**

7  $34.75 + 5.86 =$   
**9.335**

8  $3.463 - 1.7 =$   
**1.763**

9  $\begin{array}{r} 3.52 \\ \times 46 \\ \hline \end{array}$   
**161.92**

10  $\begin{array}{r} 53.5 \\ 16 \overline{) 856} \end{array}$





Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1 Place in order  
2.61 2.604 2.7  
**2.604 2.61 2.7**

2 
$$\begin{array}{r} 5 \\ -7 \\ \hline \end{array}$$
 The gap is  
**12**

3  $6.54 + 3.7 =$   
**10.24**

4  $7.8 - 2.52 =$   
**5.28**

5  $5 \times 4.68 =$   
**23.4**

6  $38.5 \div 5 =$   
**7.7**

7  $4.928 + 12.63 =$   
**17.558**

8  $5.718 - 2.84 =$   
**2.878**

9 
$$\begin{array}{r} 6.15 \\ \times 37 \\ \hline \end{array}$$
  
**227.55**

10 
$$\begin{array}{r} 47.2 \\ 15 \overline{)708} \end{array}$$





Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1 Place in order  
4.057 4.7 4.57  
**4.057 4.57 4.7**

2  $\begin{array}{r} 7 \\ -4 \\ \hline \end{array}$  The gap is  
**11**

3  $7.85 + 4.6 =$   
**12.45**

4  $6.37 - 4.6 =$   
**1.77**

5  $4 \times 8.56 =$   
**34.24**

6  $52.5 \div 7 =$   
**7.5**

7  $7.37 + 8.956 =$   
**16.326**

8  $4.346 - 1.56 =$   
**2.786**

9  $\begin{array}{r} 4.67 \\ \times 23 \\ \hline \end{array}$   
**107.41**

10  $28 \overline{) 1778}$   
**63.5**





Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1 Place in order  
6.3 6.18 6.381  
**6.18 6.3 6.381**

2  $\begin{array}{r} 8 \\ -5 \\ \hline \end{array}$  The gap is  
**13**

3  $5.79 + 6.5 =$   
**12.29**

4  $4.51 - 1.8 =$   
**2.71**

5  $7 \times 1.85 =$   
**12.95**

6  $67.2 \div 8 =$   
**8.4**

7  $9.536 + 4.88 =$   
**14.416**

8  $13.4 - 6.83 =$   
**6.57**

9  $\begin{array}{r} 184 \\ \times 57 \\ \hline \end{array}$   
**104.88**

10  $\begin{array}{r} 37.25 \\ 24 \overline{)894} \end{array}$





Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1 Place in order  
5.86 5.6 5.876  
**5.6 5.86 5.876**

2  
9  
-3  
The gap is  
**12**

3  
 $9.33 + 8.8 =$   
**18.13**

4  $5.32 - 3.7 =$   
**1.62**

5  $8 \times 3.43 =$   
**27.44**

6  $59.4 \div 6 =$   
**9.9**

7  $13.6 + 5.74 =$   
**19.34**

8  $42.3 - 7.56 =$   
**34.74**

9  
$$\begin{array}{r} 233 \\ \times 65 \\ \hline \end{array}$$
  
**151.45**

10  
$$\begin{array}{r} 14.75 \\ 32 \overline{)472} \end{array}$$





Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1 Place in order  
7.463 7.34 7.6  
**7.34 7.463 7.6**

2  $\begin{array}{r} 10 \\ -8 \\ \hline \end{array}$  The gap is  
**18**

3  $8.53 + 7.8 =$   
**16.33**

4  $3.7 - 1.645 =$   
**2.055**

5  $4 \times 7.63 =$   
**30.52**

6  $75.6 \div 9 =$   
**8.4**

7  $12468 + 9.8 =$   
**22.268**

8  $6.4 - 3.176 =$   
**3.224**

9  $\begin{array}{r} 3.8 \\ \times 84 \\ \hline \end{array}$   
**320.04**

10  $\begin{array}{r} 142.25 \\ 48 \overline{)6828} \end{array}$





Name:

Class:

Date:

1 Place in order  
9.5 9.516 9.52  
**9.5 9.516 9.52**

2  $\begin{array}{r} 2 \\ -10 \\ \hline \end{array}$  The gap is  
**12**

3  $4.86 + 8.5 =$   
**13.36**

4  $5.4 - 3.784 =$   
**1.616**

5  $6 \times 4.74 =$   
**28.44**

6  $39.2 \div 7 =$   
**5.6**

7  $12468 + 9.8 =$   
**22.268**

8  $6.4 - 3.176 =$   
**3.224**

9  $\begin{array}{r} 5.07 \\ \times 76 \\ \hline \end{array}$   
**385.32**

10  $\begin{array}{r} 63.375 \\ 16 \overline{)1014} \end{array}$





Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1 Place in order  
8.07 8.162 8.1  
**8.07 8.1 8.162**

2  $\begin{array}{r} 4 \\ -6 \\ \hline \end{array}$  The gap is  
**10**

3  $6.47 + 6.7 =$   
**13.17**

4  $8.25 - 2.378 =$   
**5.872**

5  $9 \times 8.52 =$   
**76.68**

6  $46.4 \div 8 =$   
**5.8**

7  $185 + 8069 + 154 =$   
**25.319**

8  $18.1 - 6.748 =$   
**11.352**

9  $\begin{array}{r} 4.84 \\ \times 49 \\ \hline \end{array}$   
**237.16**

10  $\begin{array}{r} 286.25 \\ 24 \overline{)6870} \end{array}$





Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1 Place in order  
3.465 3.4 3.45  
**3.4 3.45 3.465**

2  $\begin{array}{r} 8 \\ -9 \\ \hline \end{array}$  The gap is  
**17**

3  $7.75 + 9.3 =$   
**17.05**

4  $7.68 - 3.546 =$   
**4.134**

5  $8 \times 6.57 =$   
**52.56**

6  $61.2 \div 9 =$   
**6.8**

7  $273.82 + 75 +$   
 $614.8 =$   
**287.468**

8  $25.3 - 7.654 =$   
**17.646**

9  $\begin{array}{r} 6.65 \\ \times 87 \\ \hline \end{array}$   
**578.55**

10  $56 \overline{)2681}$   
**47.875**

