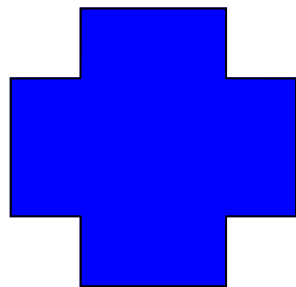


**Mrs Fuller's**

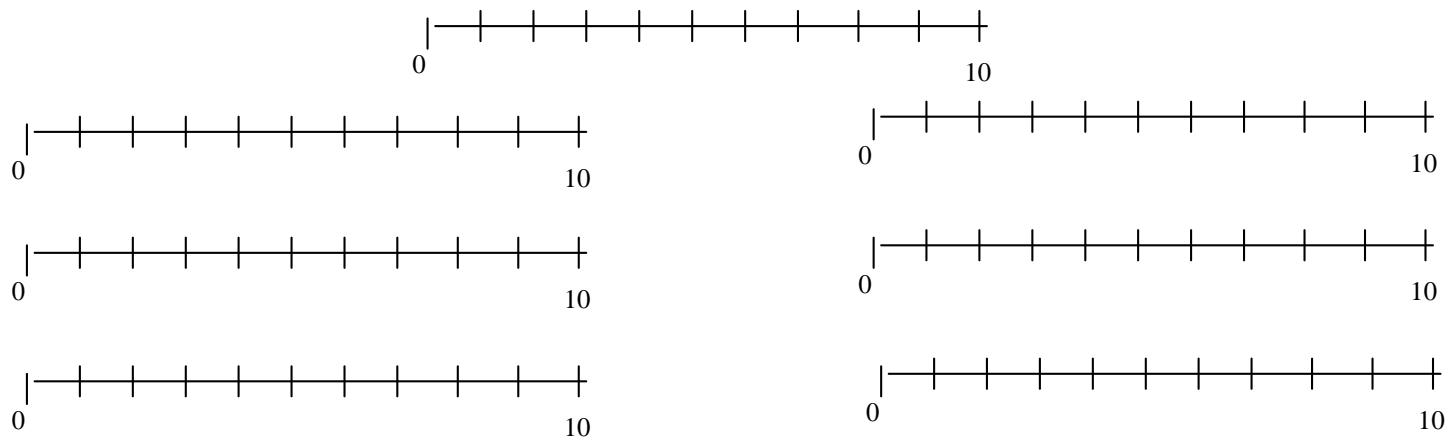


Addition progression

Addition of units not crossing tens boundaries  
(adding two numbers that don't add up to more than ten)

1.  $\begin{array}{r} 5 \\ +3 \\ \hline \end{array}$     2.  $\begin{array}{r} 6 \\ +2 \\ \hline \end{array}$     3.  $\begin{array}{r} 4 \\ +1 \\ \hline \end{array}$     4.  $\begin{array}{r} 7 \\ +2 \\ \hline \end{array}$     5.  $\begin{array}{r} 8 \\ +1 \\ \hline \end{array}$     6.  $\begin{array}{r} 9 \\ +0 \\ \hline \end{array}$     7.  $\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$

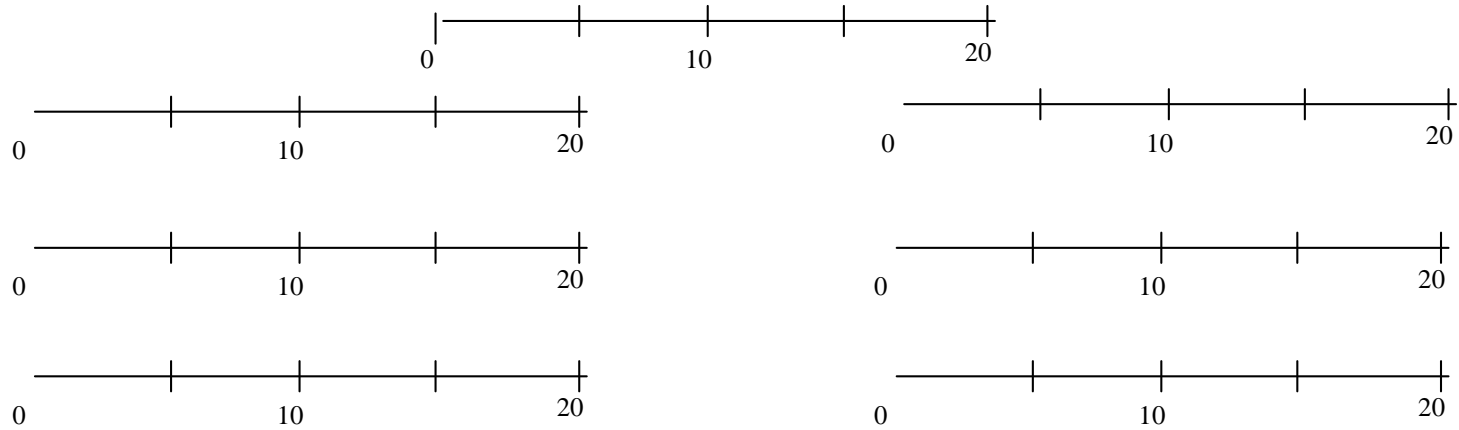
Use the numberlines to help you calculate the answers



### Addition of units crossing tens boundaries

1.  $\begin{array}{r} 8 \\ +3 \\ \hline \end{array}$     2.  $\begin{array}{r} 6 \\ +5 \\ \hline \end{array}$     3.  $\begin{array}{r} 9 \\ +1 \\ \hline \end{array}$     4.  $\begin{array}{r} 7 \\ +5 \\ \hline \end{array}$     5.  $\begin{array}{r} 8 \\ +4 \\ \hline \end{array}$     6.  $\begin{array}{r} 9 \\ +3 \\ \hline \end{array}$     7.  $\begin{array}{r} 7 \\ +4 \\ \hline \end{array}$

Use the numberlines to help you calculate the answers



Addition of TU and U numbers not crossing tens boundaries  
(adding two numbers where the units don't add up to more than ten)

1.	15	2.	26	3.	14	4.	37	5.	28	6.	59	7.	43
	<u>+ 3</u>		<u>+ 2</u>		<u>+ 5</u>		<u>+ 2</u>		<u>+ 1</u>		<u>+ 0</u>		<u>+ 3</u>
	_____		_____		_____		_____		_____		_____		_____

Use the blank numberlines to help you calculate the answers

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Addition of TU and U numbers crossing tens boundaries  
(adding two numbers where the units add up to more than ten)

1.    15	2.    26	3.    15	4.    47	5.    39	6.    55	7.    83
+ 8	+ 9	+ 7	+ 8	+ 9	+ 6	+ 9
units	units	units	units	units	units	units
tens	tens	tens	tens	tens	tens	tens
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

Use the expanded column method to help you

- Add the units first and put the answer under the question
- Then add the tens together and put the answer under the question
- Finally add the answer for the units to the answer for the tens to get the whole answer.

7.    83	
+ 9	
units	1 2    (3+9 = 12)
tens	8 0    (80+0 = 80)
<u>9 1</u>	(11 +81 = 91)

## Addition of TU and TU numbers not crossing tens boundaries

(adding two numbers where the units and tens digits don't add up to more than ten)

1.	15	2.	26	3.	15	4.	47	5.	39	6.	55	7.	83
	<u>+ 23</u>		<u>+ 31</u>		<u>+ 24</u>		<u>+ 22</u>		<u>+ 40</u>		<u>+ 13</u>		<u>+ 15</u>
	units		units		units		units		units		units		units
	tens		tens		tens		tens		tens		tens		tens
	_____		_____		_____		_____		_____		_____		_____
	_____		_____		_____		_____		_____		_____		_____

Use the expanded column method to help you

- Add the units first and put the answer under the question
- Then add the tens together and put the answer under the question
- Finally add the answer for the units to the answer for the tens to get the whole answer.

7.	83	
	<u>+ 15</u>	
units	8	(5+3 = 8)
tens	<u>90</u>	(80+10 = 90)
	<u>98</u>	(8 +90 = 98)

Addition of TU and TU numbers where units cross the tens boundaries  
(adding two numbers where the units add up to more than ten)

1.	15	2.	26	3.	15	4.	47	5.	39	6.	55	7.	63
	<u>+ 27</u>		<u>+ 38</u>		<u>+ 29</u>		<u>+ 27</u>		<u>+ 46</u>		<u>+ 18</u>		<u>+ 19</u>
	units		units		units		units		units		units		units
	tens		tens		tens		tens		tens		tens		tens
	_____		_____		_____		_____		_____		_____		_____
	_____		_____		_____		_____		_____		_____		_____

Use the expanded column method to help you

- Add the units first and put the answer under the question
- Then add the tens together and put the answer under the question
- Finally add the answer for the units to the answer for the tens to get the whole answer.

7.	63				
	<u>+ 19</u>				
	units	12	(9+3 = 12)		
	tens	<u>70</u>	(60+10 = 70)		
		<u>82</u>	(12 +70 = 82)		

Addition of TU and TU numbers where tens cross the hundreds boundaries  
(adding two numbers where the tens add up to more than a hundred)

1.	85	2.	96	3.	85	4.	57	5.	69	6.	75	7.	83
	<u>+ 22</u>		<u>+ 33</u>		<u>+ 21</u>		<u>+ 52</u>		<u>+ 40</u>		<u>+ 34</u>		<u>+ 46</u>
	units		units		units		units		units		units		units
	tens		tens		tens		tens		tens		tens		tens
	_____		_____		_____		_____		_____		_____		_____
	_____		_____		_____		_____		_____		_____		_____

Use the expanded column method to help you

- Add the units first and put the answer under the question
- Then add the tens together and put the answer under the question
- Finally add the answer for the units to the answer for the tens to get the whole answer.

7.	83	
	<u>+ 46</u>	
units	9	(3+6 = 9)
tens	<u>120</u>	(80+40 = 120)
	<u>132</u>	(12 +120 = 132)

Addition of TU and TU numbers where tens cross the hundreds boundaries and units cross the tens boundary.

(adding two numbers where the tens add up to more than a hundred and the units add up to more than ten)

$$\begin{array}{r} 1. \quad 85 \\ + 27 \\ \hline \end{array} \quad \begin{array}{r} 2. \quad 96 \\ + 38 \\ \hline \end{array} \quad \begin{array}{r} 3. \quad 75 \\ + 59 \\ \hline \end{array} \quad \begin{array}{r} 4. \quad 47 \\ + 67 \\ \hline \end{array} \quad \begin{array}{r} 5. \quad 39 \\ + 86 \\ \hline \end{array} \quad \begin{array}{r} 6. \quad 55 \\ + 58 \\ \hline \end{array} \quad \begin{array}{r} 7. \quad 83 \\ + 79 \\ \hline \end{array}$$

Use the standard written method to help you

- Add the units first and put the unit part of the answer under the question
  - Carry any tens part of the answer to the top of the tens column
- Then add the tens together (remembering the carried tens) and put the tens part of the answer under the question
  - Carry the hundred part of the answer to the top of the hundreds column
  - Write the hundreds part of the answer under the question in the hundreds column

$$\begin{array}{r} 7. \quad \overset{1}{\phantom{0}} \overset{1}{\phantom{0}} \\ \quad \quad 83 \\ + \quad 79 \\ \hline \quad 162 \end{array}$$

Addition of HTU and TU numbers where tens cross the hundreds boundaries and units cross the tens boundary.

(adding two numbers where the tens add up to more than a hundred and the units add up to more than ten)

$$\begin{array}{r} 1. \quad 285 \\ + \quad 27 \\ \hline \end{array} \quad \begin{array}{r} 2. \quad 396 \\ + \quad 38 \\ \hline \end{array} \quad \begin{array}{r} 3. \quad 475 \\ + \quad 59 \\ \hline \end{array} \quad \begin{array}{r} 4. \quad 647 \\ + \quad 67 \\ \hline \end{array} \quad \begin{array}{r} 5. \quad 839 \\ + \quad 86 \\ \hline \end{array} \quad \begin{array}{r} 6. \quad 455 \\ + \quad 58 \\ \hline \end{array} \quad \begin{array}{r} 7. \quad 783 \\ + \quad 79 \\ \hline \end{array}$$

Use the standard written method to help you

- Add the units first and put the unit part of the answer under the question
  - Carry any tens part of the answer to the top of the tens column
- Then add the tens together (remembering the carried tens) and put the tens part of the answer under the question
  - Carry the hundred part of the answer to the top of the hundreds column
- Write the hundreds part of the answer under the question in the hundreds column

$$\begin{array}{r} 7. \quad \overset{1}{7} \overset{1}{8} 3 \\ + \quad 79 \\ \hline 862 \end{array}$$

Addition of HTU and HTU numbers where tens cross the hundreds boundaries and units cross the tens boundary.

(adding two numbers where the tens add up to more than a hundred and the units add up to more than ten)

1.	285	2.	396	3.	475	4.	647	5.	839	6.	455	7.	783
	<u>+327</u>		<u>+438</u>		<u>+259</u>		<u>+167</u>		<u>+186</u>		<u>+358</u>		<u>+179</u>
	_____		_____		_____		_____		_____		_____		_____

Use the standard written method to help you

- Add the units first and put the unit part of the answer under the question
  - Carry any tens part of the answer to the top of the tens column
- Then add the tens together (remembering the carried tens) and put the tens part of the answer under the question
  - Carry the hundred part of the answer to the top of the hundreds column
  - Write the hundreds part of the answer under the question in the hundreds column

$$\begin{array}{r} 7. \quad \begin{array}{r} \overset{1}{7} \overset{1}{8} 3 \\ + 179 \\ \hline 962 \end{array} \end{array}$$

Addition of HTU and HTU numbers where hundreds cross the thousand boundary, tens cross the hundreds boundaries and units cross the tens boundary.

(adding two numbers where the tens add up to more than a hundred and the units add up to more than ten)

$$\begin{array}{r} 1. \quad 885 \\ +327 \\ \hline \end{array} \quad \begin{array}{r} 2. \quad 996 \\ +438 \\ \hline \end{array} \quad \begin{array}{r} 3. \quad 875 \\ +259 \\ \hline \end{array} \quad \begin{array}{r} 4. \quad 947 \\ +167 \\ \hline \end{array} \quad \begin{array}{r} 5. \quad 839 \\ +486 \\ \hline \end{array} \quad \begin{array}{r} 6. \quad 755 \\ +358 \\ \hline \end{array} \quad \begin{array}{r} 7. \quad 783 \\ +479 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 767 \\ +327 \\ \hline \end{array} \quad \begin{array}{r} 9. \quad 906 \\ +639 \\ \hline \end{array} \quad \begin{array}{r} 10. \quad 805 \\ +569 \\ \hline \end{array} \quad \begin{array}{r} 11. \quad 907 \\ +469 \\ \hline \end{array} \quad \begin{array}{r} 12. \quad 789 \\ +366 \\ \hline \end{array} \quad \begin{array}{r} 13. \quad 766 \\ +808 \\ \hline \end{array} \quad \begin{array}{r} 14. \quad 993 \\ +488 \\ \hline \end{array}$$

Use the standard written method to help you

$$\begin{array}{r} \text{E.g.} \quad \quad \quad 1 \ 1 \ 1 \\ 7. \quad \quad \quad 783 \\ \quad \quad \quad + 479 \\ \quad \quad \quad \hline \quad \quad \quad 1262 \end{array}$$

Addition of TU.t and TU.t numbers where tenths cross the units boundary.  
 (adding two numbers where the tens and units don't cross any boundaries but the tenths add up to more than a unit)

1. 15.2	2. 26.4	3. 15.5	4. 47.6	5. 39.4	6. 55.3	7. 83.8
<u>+ 23.8</u>	<u>+ 31.8</u>	<u>+ 24.9</u>	<u>+ 22.5</u>	<u>+ 40.7</u>	<u>+ 13.9</u>	<u>+ 15.7</u>
tenths	tenths	tenths	tenths	tenths	tenths	tenths
units	units	units	units	units	units	units
tens	tens	tens	tens	tens	tens	tens
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

Use the expanded column method to help you

or

Use the standard written method

7.	83.8	
	<u>+ 15.7</u>	
Tenths	1.5	(0.8+0.7 = 1.5)
units	8	(5+3 = 8)
tens	<u>90</u>	(80+10 = 90)
	<u>99.5</u>	(1.5 + 8 +90 = 99.5)

$$\begin{array}{r}
 7. \quad 83.8 \\
 \quad + 15.7 \\
 \hline
 \quad 99.5
 \end{array}$$

Addition of TU.t and TU.t numbers where tenths cross the units boundary and units cross the tens boundary.

(adding two numbers where the tenths and units both cross boundaries )

1.	15.4	2.	26.6	3.	15.9	4.	47.8	5.	39.7	6.	55.4	7.	86.8
	<u>+ 29.8</u>		<u>+ 38.8</u>		<u>+ 25.9</u>		<u>+ 28.5</u>		<u>+ 49.7</u>		<u>+ 17.9</u>		<u>+ 15.7</u>
	tenths		tenths		tenths		tenths		tenths		tenths		tenths
	units		units		units		units		units		units		units
	tens		tens		tens		tens		tens		tens		tens
	_____		_____		_____		_____		_____		_____		_____
	_____		_____		_____		_____		_____		_____		_____

Use the expanded column method to help you

or

Use the standard written method

7.     86.8  
       + 15.7  
 Tenths 1.5   (0.8+0.7 = 1.5)  
 units  11     (6+5 = 11)  
 tens  90    (80+10 = 90)  
       102.5   (1.5 + 11 +90 = 102.5)

7.     <sup>1</sup> <sup>1</sup>  
       86.8  
       + 15.7  
       102.5

Addition of TU.t and TU.t numbers where all boundaries are crossed  
(adding two numbers where the tens, tenths and units all cross boundaries )

1.	87.4	2.	95.6	3.	97.9	4.	84.8	5.	79.7	6.	55.4	7.	86.8
	+ <u>29.8</u>		+ <u>38.8</u>		+ <u>25.9</u>		+ <u>28.5</u>		+ <u>43.7</u>		+ <u>66.9</u>		+ <u>55.7</u>
	tenths		tenths		tenths		tenths		tenths		tenths		tenths
	units		units		units		units		units		units		units
	tens		tens		tens		tens		tens		tens		tens
	_____		_____		_____		_____		_____		_____		_____

Use the expanded column method to help you

or

Use the standard written method

7.     86.8  
      + 55.7

Tenths  1.5   (0.8+0.7 = 1.5)  
units    11    (6+5 = 11)  
tens    130   (80+50 = 130)  
          142.5   (1.5 + 11 +130 = 142.5)

7.     <sup>1</sup> <sup>1</sup>  
      86.8  
      + 55.7  
      142.5

Addition of TU.th and TU.th numbers where all additions cross the tens boundary.  
(adding two numbers where the tenths and units both cross boundaries )

1.	$\begin{array}{r} 15.45 \\ + 97.85 \\ \hline \hline \end{array}$	2.	$\begin{array}{r} 26.67 \\ + 79.44 \\ \hline \hline \end{array}$	3.	$\begin{array}{r} 84.65 \\ + 25.47 \\ \hline \hline \end{array}$	4.	$\begin{array}{r} 37.89 \\ + 72.24 \\ \hline \hline \end{array}$	5.	$\begin{array}{r} 28.88 \\ + 79.43 \\ \hline \hline \end{array}$	6.	$\begin{array}{r} 59.99 \\ + 80.45 \\ \hline \hline \end{array}$
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Addition of HTU.th and TU.th numbers where all additions cross the tens boundary.  
(adding two numbers where the tenths and units both cross boundaries )

1.	$\begin{array}{r} 345.76 \\ + 97.85 \\ \hline \hline \end{array}$	2.	$\begin{array}{r} 887.67 \\ + 79.44 \\ \hline \hline \end{array}$	3.	$\begin{array}{r} 289.65 \\ + 25.47 \\ \hline \hline \end{array}$	4.	$\begin{array}{r} 537.89 \\ + 72.24 \\ \hline \hline \end{array}$	5.	$\begin{array}{r} 466.88 \\ + 79.43 \\ \hline \hline \end{array}$	6.	$\begin{array}{r} 749.99 \\ + 80.45 \\ \hline \hline \end{array}$
----	---	----	---	----	---	----	---	----	---	----	---