Addition and Subtraction Workbook
<table>
<thead>
<tr>
<th>Statutory Requirements</th>
<th>Worksheet</th>
<th>Page Number</th>
<th>Notes</th>
</tr>
</thead>
</table>
| Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures. | • Hops to and from 10  
• Addition to 20 on a number line  
• Subtraction within 20 on a number line | 1 - 2       |       |
|                                                                                       | • Monsters colour by number addition and subtraction up to 20             | 9           |       |
| Solve problems with addition and subtraction.                                          | • Addition and Subtraction facts to 20  
• Deriving Facts to 100                                                      | 10          | 11    |
| Applying their increasing knowledge of mental and written methods.                     |                                                                           |             |       |
| Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100. |                                                                           |             |       |
| Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: |                                                                           |             |       |
| A two-digit number and ones.                                                           | • Adding/subtracting 2-digit numbers and ones crossing 10                  | 12 - 15     |       |
| A two-digit number and tens.                                                           | • Adding/subtracting 2-digit numbers and tens not crossing 100            | 16 - 18     |       |
| Two two-digit numbers.                                                                  | • Adding two 2-digit numbers beyond 100  
• Subtracting tens and ones from 2-digit numbers not crossing 100  
• Subtracting tens and ones from 2-digit numbers crossing 100 | 19 - 21     | 22 - 23 | 24 - 25 |
| Adding three one-digit numbers.                                                         | • Adding three one-digit numbers using number facts to 10  
• Adding three one-digit numbers - Which 3 numbers? | 26          | 27    |
<table>
<thead>
<tr>
<th>Statutory Requirements</th>
<th>Worksheet</th>
<th>Page Number</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.</td>
<td>• Addition can be done in any order - subtraction can't!</td>
<td>28 - 29</td>
<td></td>
</tr>
<tr>
<td>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</td>
<td>• Number family worksheets</td>
<td>30 - 33</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Using Inverse Operations to check – Two Digits Plus One Digit</td>
<td>34 - 35</td>
<td></td>
</tr>
<tr>
<td>Estimate the answer to a calculation and use inverse operations to check answers.</td>
<td>Inverse checking 2 digit by 2 digit mixed with carrying and exchanging choice of method worksheet</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inverse checking 3 digit by 2 digit mixed with carrying and exchanging choice of method worksheet</td>
<td>19</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inverse checking 3 digit by 3 digit mixed with carrying and exchanging worksheet</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inverse create addition and subtraction calculations from a set of 3 numbers worksheet</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Estimating Answers Worksheet</td>
<td>22-23</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Exemplary Calculation Procedure</td>
<td>24-25</td>
<td></td>
</tr>
<tr>
<td>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</td>
<td>Addition and subtraction word problems worksheet year 3</td>
<td>26</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Addition and subtraction using worded calculations year 3</td>
<td>27</td>
<td></td>
</tr>
</tbody>
</table>
Adding Ones to a 3-Digit Number

Calculate the answers to the following:

1. $136 + 3 =$
2. $212 + 4 =$
3. $381 + 6 =$
4. $494 + 5 =$
5. $533 + 4 =$
6. $620 + 7 =$
7. $725 + 4 =$
8. $952 + 7 =$
9. $165 + 8 =$
10. $224 + 7 =$
11. $388 + 6 =$
12. $478 + 5 =$
13. $529 + 4 =$
14. $645 + 9 =$
15. $713 + 8 =$
16. $995 + 6 =$
17. $165 + 7 =$
18. $252 + 6 =$
19. $395 + 9 =$
20. $478 + 1 =$
21. $546 + 7 =$
22. $659 + 3 =$
23. $765 + 3 =$
24. $971 + 8 =$

Challenge

Explain how you would use $7 + 8 = 15$ to calculate $537 + 8$. 
Subtracting Ones from a 3-Digit Number

Calculate the answers to the following:

1. $166 - 3 =$
2. $295 - 4 =$
3. $307 - 5 =$
4. $489 - 7 =$
5. $578 - 4 =$
6. $636 - 2 =$
7. $794 - 3 =$
8. $959 - 8 =$
9. $145 - 8 =$
10. $213 - 7 =$
11. $383 - 5 =$
12. $491 - 4 =$
13. $571 - 5 =$
14. $678 - 9 =$
15. $722 - 6 =$
16. $982 - 4 =$
17. $122 - 6 =$
18. $279 - $ = 271
19. $ + = 329$
20. $459 - 3 =$
21. $566 + $ = 557
22. $659 - 4 =$
23. $779 - 5 =$
24. $ + 8 = 944$

Challenge

Explain how you would use $14 - 8 = 6$ to calculate $384 - 8$. 
Adding Tens to a 3-Digit Number
Calculate the answers to the following:

1. 153 + 30 =
2. 272 + 20 =
3. 301 + 60 =
4. 413 + 70 =
5. 523 + 40 =
6. 630 + 20 =
7. 737 + 50 =
8. 939 + 60 =
9. 142 + 80 =
10. 267 + 70 =
11. 398 + 60 =
12. 451 + 50 =
13. 564 + 80 =
14. 675 + 90 =
15. 761 + 70 =
16. 964 + 60 =
17. 102 + 172 =
18. 282 + 60 =
19. ______________ + 30 = 424
20. 488 + 40 =
21. 537 + 90 =
22. ______________ + 30 = 686
23. 770 + ______________ = 850
24. 961 + 70 =

Challenge
Explain how you would use $7 + 8 = 15$ to calculate $537 + 8$. 
Subtracting Tens from a 3-Digit Number

Calculate the answers to the following:

1. 178 - 30 = _______________________
2. 282 - 40 = _______________________
3. 377 - 50 = _______________________
4. 495 - 70 = _______________________
5. 581 - 40 = _______________________
6. 625 - 20 = _______________________
7. 767 - 50 = _______________________
8. 992 - 80 = _______________________
9. 131 - 80 = _______________________
10. 224 - 60 = _______________________
11. 357 - 90 = _______________________
12. 413 - 30 = _______________________
13. 537 - 50 = _______________________
14. 612 - 70 = _______________________
15. 727 - 60 = _______________________
16. 933 - 90 = _______________________
17. 134 - ________________________ = 74
18. 213 - 80 = _______________________
19. ________________________ - 70 = 276
20. 403 - 30 = _______________________
21. ________________________ - 90 = 486
22. 619 - 20 = _______________________
23. 717 - ________________________ = 647
24. 941 - 50 = _______________________

Challenge

Explain what other calculations you might use 13 - 8 = 5.
Adding Hundreds to a 3-Digit Number

Calculate the answers to the following:

1. $163 + 500 = \underline{\phantom{000}}$
2. $345 + 600 = \underline{\phantom{000}}$
3. $582 + 400 = \underline{\phantom{000}}$
4. $273 + 300 = \underline{\phantom{000}}$
5. $561 + 200 = \underline{\phantom{000}}$
6. $170 + 700 = \underline{\phantom{000}}$
7. $207 + 500 = \underline{\phantom{000}}$
8. $719 + 100 = \underline{\phantom{000}}$
9. $372 + 800 = \underline{\phantom{000}}$
10. $460 + 700 = \underline{\phantom{000}}$
11. $508 + 900 = \underline{\phantom{000}}$
12. $721 + 500 = \underline{\phantom{000}}$
13. $549 + 800 = \underline{\phantom{000}}$
14. $672 + 700 = \underline{\phantom{000}}$
15. $701 + 900 = \underline{\phantom{000}}$
16. $927 + 600 = \underline{\phantom{000}}$
17. $116 + 700 = \underline{\phantom{000}}$
18. $352 + \underline{\phantom{000}} = 1252$
19. $\underline{\phantom{000}} + 400 = 859$
20. $824 + 300 = \underline{\phantom{000}}$
21. $562 + 900 = \underline{\phantom{000}}$
22. $\underline{\phantom{000}} + 300 = 916$
23. $752 + \underline{\phantom{000}} = 1552$
24. $911 + 700 = \underline{\phantom{000}}$

**Challenge**

Explain how you would use $9 + 4 = 13$ to calculate $931 + 400$. 
Subtracting Hundreds from a Three Digit Number

Calculate the answers to the following:

1. 353 - 200 = ________________________
2. 416 - 400 = ________________________
3. 531 - 300 = ________________________
4. 789 - 500 = ________________________
5. 564 - 300 = ________________________
6. 820 - 600 = ________________________
7. 707 - 500 = ________________________
8. 919 - 700 = ________________________
9. 268 - 200 = ________________________
10. 416 - 100 = ________________________
11. 547 - 300 = ________________________
12. 346 - 100 = ________________________
13. 564 - 400 = ________________________
14. 893 - 600 = ________________________
15. 507 - 500 = ________________________
16. 919 - 400 = ________________________

Challenge

Take any three digit number. You can subtract 100, 200, 300 or 400 once each, but you must not go below 0.

**e.g.** 672 - 100 = 572, 572 - 300 = 272, 272 - 200 = 72.
100, 300 and 200 were subtracted to get to 72.

Can you always get to a number between or equal to 100 and 1?

If you use as many subtractions as possible are there any patterns?
Adding 3-Digit and 2-Digit Numbers - No Carrying

Calculate the answers to the following:

\[
\begin{array}{cccc}
534 & + & 45 & \rightarrow \ 589 \\
213 & + & 62 & \rightarrow \ 275 \\
304 & + & 84 & \rightarrow \ 388 \\
672 & + & 16 & \rightarrow \ 688 \\
130 & + & 56 & \rightarrow \ 186 \\
802 & + & 92 & \rightarrow \ 894 \\
529 & + & 50 & \rightarrow \ 579 \\
281 & + & 17 & \rightarrow \ 298 \\
552 & + & 36 & \rightarrow \ 588 \\
607 & + & 72 & \rightarrow \ 679 \\
628 & + & 21 & \rightarrow \ 649 \\
327 & + & 51 & \rightarrow \ 378 \\
474 & + & 15 & \rightarrow \ 489 \\
153 & + & 44 & \rightarrow \ 197 \\
371 & + & 22 & \rightarrow \ 393 \\
\end{array}
\]

Calculate the following calculations:

\[
\begin{array}{ccc}
42 & + & 15 & \rightarrow \ 57 \\
53 & + & 4 & \rightarrow \ 57 \\
88 & + & 21 & \rightarrow \ 109 \\
\end{array}
\]
Adding 3-Digit and 2-Digit Numbers - With Carrying

Calculate the answers to the following:

\[
\begin{array}{ccc}
673 & + & 18 \\
\hline
811 & & \\
\end{array}
\]

\[
\begin{array}{ccc}
457 & + & 25 \\
\hline
482 & & \\
\end{array}
\]

\[
\begin{array}{ccc}
304 & + & 69 \\
\hline
373 & & \\
\end{array}
\]

\[
\begin{array}{ccc}
615 & + & 38 \\
\hline
653 & & \\
\end{array}
\]

\[
\begin{array}{ccc}
149 & + & 16 \\
\hline
165 & & \\
\end{array}
\]

\[
\begin{array}{ccc}
805 & + & 85 \\
\hline
890 & & \\
\end{array}
\]

\[
\begin{array}{ccc}
672 & + & 42 \\
\hline
714 & & \\
\end{array}
\]

\[
\begin{array}{ccc}
581 & + & 67 \\
\hline
648 & & \\
\end{array}
\]

\[
\begin{array}{ccc}
292 & + & 36 \\
\hline
328 & & \\
\end{array}
\]

\[
\begin{array}{ccc}
670 & + & 72 \\
\hline
742 & & \\
\end{array}
\]

\[
\begin{array}{ccc}
662 & + & 75 \\
\hline
737 & & \\
\end{array}
\]

\[
\begin{array}{ccc}
387 & + & 51 \\
\hline
438 & & \\
\end{array}
\]

\[
\begin{array}{ccc}
476 & + & 45 \\
\hline
521 & & \\
\end{array}
\]

\[
\begin{array}{ccc}
158 & + & 74 \\
\hline
232 & & \\
\end{array}
\]

\[
\begin{array}{ccc}
379 & + & 26 \\
\hline
405 & & \\
\end{array}
\]

Calculate the following calculations:

\[
\begin{array}{ccc}
32 & + & 55 \\
\hline
431 & & \\
\end{array}
\]

\[
\begin{array}{ccc}
47 & + & 4 \\
\hline
51 & & \\
\end{array}
\]

\[
\begin{array}{ccc}
88 & + & 65 \\
\hline
153 & & \\
\end{array}
\]
Subtracting 2-Digit Numbers from 3-Digit Numbers
No Exchanging

Calculate the answers to the following:

\[
\begin{align*}
479 & \quad 337 & \quad 584 & \quad 478 \\
-18 & \quad -25 & \quad -61 & \quad -38 \\
\hline
\end{align*}
\]

\[
\begin{align*}
748 & \quad 563 & \quad 652 & \quad 569 \\
-16 & \quad +12 & \quad -32 & \quad -67 \\
\hline
\end{align*}
\]

\[
\begin{align*}
298 & \quad 677 & \quad 697 & \quad 387 \\
-36 & \quad -72 & \quad -75 & \quad -51 \\
\hline
\end{align*}
\]

Calculate the following calculations:

\[
\begin{align*}
3\_7 & \quad 54\_ & \quad 8\_8 \\
-5 & \quad -2 & \quad -6 \\
\hline
302 & \quad 515 & \quad 833 \\
\end{align*}
\]
## Subtracting 2-Digit Numbers from 3-Digit Numbers With Exchanging

Calculate the answers to the following:

<table>
<thead>
<tr>
<th>3 4 3</th>
<th>6 4 1</th>
<th>4 7 2</th>
<th>4 7 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>- 1 8</td>
<td>- 2 5</td>
<td>- 6 7</td>
<td>- 3 8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6 2 0</th>
<th>3 6 4</th>
<th>4 1 5</th>
<th>5 2 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>- 1 6</td>
<td>+ 4 6</td>
<td>- 3 3</td>
<td>- 6 7</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1 2 6</th>
<th>6 7 3</th>
<th>6 0 7</th>
<th>9 1 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>- 3 1</td>
<td>- 8 2</td>
<td>- 6 4</td>
<td>- 5 3</td>
</tr>
</tbody>
</table>

Calculate the following calculations:

<table>
<thead>
<tr>
<th>2 __ 2</th>
<th>4 7 __</th>
<th>8 __ 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>- 3</td>
<td>- 4</td>
<td>- 6</td>
</tr>
</tbody>
</table>

| 2 2 0 | 4 4 9 | 2 4 |
Adding Two 3-Digit Numbers - No Carrying

Calculate the answers to the following:

\[
\begin{array}{cccc}
273 & + & 514 & = \\
+ & 451 & + & 225 \\
\hline & 153 & & \\
153 & + & 716 & = \\
+ & 805 & + & 102 \\
\hline & 202 & & \\
202 & + & 370 & = \\
+ & 236 & + & 116 \\
\hline & 376 & & \\
376 & + & 403 & = \\
+ & 476 & + & 234 \\
\hline & 941 & & \\
\end{array}
\]

Calculate the following calculations:

\[
\begin{array}{ccc}
4 & + & 3 \\
2 & + & 4 \\
\hline & 437 & \\
\end{array}
\]
## Adding Two 3-Digit Numbers - With Carrying

Calculate the answers to the following:

<table>
<thead>
<tr>
<th>3 2 3</th>
<th>6 0 7</th>
<th>5 0 7</th>
<th>3 1 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ 5 1 8</td>
<td>+ 2 2 8</td>
<td>+ 4 6 3</td>
<td>+ 1 4 2</td>
</tr>
<tr>
<td>_______</td>
<td>_______</td>
<td>_______</td>
<td>_______</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2 5 7</th>
<th>5 0 5</th>
<th>6 7 2</th>
<th>5 9 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ 7 0 6</td>
<td>+ 1 0 9</td>
<td>+ 2 4 3</td>
<td>+ 3 6 7</td>
</tr>
<tr>
<td>_______</td>
<td>_______</td>
<td>_______</td>
<td>_______</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5 7 2</th>
<th>7 6 0</th>
<th>8 2 2</th>
<th>9 1 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ 3 3 6</td>
<td>+ 6 1 5</td>
<td>+ 3 4 5</td>
<td>+ 4 6 1</td>
</tr>
<tr>
<td>_______</td>
<td>_______</td>
<td>_______</td>
<td>_______</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4 7 6</th>
<th>6 5 5</th>
<th>3 7 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ 4 8 5</td>
<td>+ 7 3 8</td>
<td>+ 6 4 8</td>
</tr>
<tr>
<td>_______</td>
<td>_______</td>
<td>_______</td>
</tr>
</tbody>
</table>

Calculate the following calculations:

<table>
<thead>
<tr>
<th>5 8</th>
<th>6 4 1</th>
<th>4 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ 3</td>
<td>+ 7</td>
<td>+ 8 7 8</td>
</tr>
<tr>
<td>1 4 8 7</td>
<td>1 2 4</td>
<td>1 5</td>
</tr>
</tbody>
</table>
Subtracting Two 3-Digit Numbers - No Exchanging

Calculate the answers to the following:

\[
\begin{array}{cccc}
569 & 346 & 774 & 652 \\
-315 & -125 & -453 & -420 \\
\hline
\end{array}
\]

\[
\begin{array}{cccc}
628 & 573 & 832 & 599 \\
-305 & +512 & -232 & -467 \\
\hline
\end{array}
\]

\[
\begin{array}{cccc}
298 & 687 & 988 & 768 \\
-136 & -471 & -575 & -251 \\
\hline
\end{array}
\]

\[
\begin{array}{cccc}
555 & 596 & 368 \\
-345 & -374 & -220 \\
\hline
\end{array}
\]

Calculate the following calculations:

\[
\begin{array}{cccc}
34 & 48 & 74 \\
-24 & -30 & -60 \\
33 & 26 & 43 \\
\end{array}
\]
Subtracting Two 3-Digit Numbers - With Exchanging

Calculate the answers to the following:

\[
\begin{array}{ccc}
451 & - & 218 \\
840 & - & 525 \\
472 & - & 238 \\
481 & - & 323 \\
690 & - & 526 \\
726 & + & 419 \\
427 & - & 233 \\
519 & - & 450 \\
353 & - & 136 \\
627 & - & 471 \\
622 & - & 394 \\
951 & - & 652 \\
\end{array}
\]

Calculate the following calculations:

\[
\begin{array}{ccc}
73 & - & 47 \\
70 & - & 29 \\
01 & - & 48 \\
\end{array}
\]

\[
\begin{array}{ccc}
81 & - & 16 \\
16 & - & 33 \\
\end{array}
\]
Checking 2 by 2-Digit Mixed Calculations - With Carrying and Exchanging

Calculate the answer to the following calculations and check by using the inverse (addition or subtraction). Choose the best method for you - column method, number line, near doubles etc.

<table>
<thead>
<tr>
<th>Calculation</th>
<th>Calculation</th>
</tr>
</thead>
<tbody>
<tr>
<td>( 76 + 45 ) =</td>
<td>( 97 - 38 ) =</td>
</tr>
<tr>
<td>( 72 - 48 ) =</td>
<td>( 64 + 38 ) =</td>
</tr>
<tr>
<td>( 82 - 65 ) =</td>
<td>( 49 + 46 ) =</td>
</tr>
<tr>
<td>( 93 + 59 ) =</td>
<td>( 68 - 29 ) =</td>
</tr>
</tbody>
</table>

**Challenge**

Explain how you might check your answer to this calculation: \( 47 + 54 + 35 \) =
## Checking 3 by 2-Digit Mixed Calculations - With Carrying and Exchanging

Calculate the answer to the following calculations and check by using the inverse (addition or subtraction). Choose the best method for you - column method, number line, near doubles etc.

<table>
<thead>
<tr>
<th>Calculation 1</th>
<th>Calculation 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>419 + 79 =</td>
<td>608 - 57 =</td>
</tr>
<tr>
<td>437 - 49 =</td>
<td>372 + 88 =</td>
</tr>
<tr>
<td>673 - 46 =</td>
<td>514 + 49 =</td>
</tr>
<tr>
<td>586 + 97 =</td>
<td>970 - 74 =</td>
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</tbody>
</table>

### Challenge

Use 2 different methods to calculate and check this calculation. **365 - 87 =**

Can you explain which method you find better?
Checking 3 by 3-Digit Mixed Calculations - With Carrying and Exchanging

Calculate the answer to the following calculations and check by using the inverse (addition or subtraction). Choose the best method for you - column method, number line, near doubles etc.

<table>
<thead>
<tr>
<th>Calculation</th>
<th>Calculation</th>
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</thead>
<tbody>
<tr>
<td>$245 + 356 = $</td>
<td>$562 - 347 = $</td>
</tr>
<tr>
<td>$703 - 459 = $</td>
<td>$509 + 389 = $</td>
</tr>
<tr>
<td>$825 - 286 = $</td>
<td>$672 + 319 = $</td>
</tr>
<tr>
<td>$592 + 209 = $</td>
<td>$913 - 387 = $</td>
</tr>
</tbody>
</table>

**Challenge**

Explain how you might use the inverse to check this calculation. $541 + 518 + 265 = $
Checking 3 by 3-Digit Mixed Calculations - With Carrying and Exchanging

Calculate the answer to the following calculations and check by using the inverse (addition or subtraction). Choose the best method for you - column method, number line, near doubles etc.

Create two addition and two subtraction calculations from each set of three numbers, writing the full calculations in the given box.

<table>
<thead>
<tr>
<th>34</th>
<th>23</th>
<th>57</th>
<th>16</th>
<th>59</th>
<th>75</th>
<th>92</th>
<th>45</th>
<th>137</th>
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<table>
<thead>
<tr>
<th>87</th>
<th>240</th>
<th>153</th>
<th>393</th>
<th>240</th>
<th>153</th>
<th>616</th>
<th>240</th>
<th>153</th>
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</table>

Create two addition and two subtraction calculations from each set of three numbers, writing the full calculations in the given box.
Estimated Answers
To answer the following questions decide which multiple of 10 each number is closest to and then add or subtract the numbers. Trying to answer quickly will help you to practise estimating rather than working the answer out.

**Example**
1. 32 + 59 =
   My estimate: 30 + 60 = 90

**Estimating Addition:**
1. 32 + 59 =
   My estimate:
   
2. 23 + 28 =
   My estimate:

3. 51 + 53 =
   My estimate:

4. 81 + 33 =
   My estimate:

5. 89 + 27 =
   My estimate:

6. 59 + 92 =
   My estimate:

7. 132 + 19 =
   My estimate:

8. 88 + 109 =
   My estimate:

9. 127 + 152 =
   My estimate:

10. 353 + 281 =
    My estimate:
Estimating Subtraction:

1. \(58 - 32 = \)  
   My estimate: \( \square - \square = \)

2. \(79 - 22 = \)  
   My estimate: \( \square - \square = \)

3. \(104 - 51 = \)  
   My estimate: \( \square - \square = \)

4. \(121 - 33 = \)  
   My estimate: \( \square - \square = \)

5. \(129 - 27 = \)  
   My estimate: \( \square - \square = \)

6. \(229 - 92 = \)  
   My estimate: \( \square - \square = \)

7. \(132 - 17 = \)  
   My estimate: \( \square - \square = \)

8. \(288 - 109 = \)  
   My estimate: \( \square - \square = \)

9. \(257 - 152 = \)  
   My estimate: \( \square - \square = \)

10. \(353 - 281 = \)  
    My estimate: \( \square - \square = \)
**Exemplary Calculation Procedure**

**Estimating, Answering and Checking with Inverse Operation**

1. Begin by estimating your answer using the nearest multiple of 10 for each number.
2. Perform the exact calculation using your chosen method.
3. Check that your answer is close to your estimate.
4. Check your answer is correct by working backwards using the inverse operation.

### Addition Calculations:

**Example:**

<table>
<thead>
<tr>
<th>Number Sentence</th>
<th>My Estimate</th>
<th>Calculation</th>
<th>Answer close to estimate</th>
<th>Check with Inverse</th>
<th>Correct?</th>
</tr>
</thead>
<tbody>
<tr>
<td>e.g. 57 + 39</td>
<td>60 + 40 = 100</td>
<td>57 + 39</td>
<td>96/100 = Yes!</td>
<td>8 9 + 1</td>
<td>Yes!</td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
<td>9 6 - 3 9</td>
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<td>5 7</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Number Sentence</th>
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<th>Calculation</th>
<th>Answer close to estimate</th>
<th>Check with Inverse</th>
<th>Correct?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 39 + 23</td>
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<tr>
<td>2. 18 + 54</td>
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<tr>
<td>3. 67 + 54</td>
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<tr>
<td>4. 126 + 43</td>
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</tbody>
</table>
### Subtraction Calculations:

#### Example:

<table>
<thead>
<tr>
<th>Number Sentence</th>
<th>My Estimate</th>
<th>Calculation</th>
<th>Answer close to estimate</th>
<th>Check with Inverse</th>
<th>Correct?</th>
</tr>
</thead>
<tbody>
<tr>
<td>e.g. 84 - 29</td>
<td>80 – 30 = 50</td>
<td>84 - 29</td>
<td>50/55 = Yes!</td>
<td>5      5</td>
<td>Yes!</td>
</tr>
</tbody>
</table>

### Number Sentence | My Estimate | Calculation | Answer close to estimate | Check with Inverse | Correct? |
<table>
<thead>
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<tbody>
<tr>
<td>1. 59 - 22</td>
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<tr>
<td>2. 97 - 18</td>
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<tr>
<td>3. 126 - 32</td>
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<tr>
<td>4. 188 - 52</td>
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<tr>
<td>5. 352 - 169</td>
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</table>
## Addition and Subtraction Word Problems

Solve the following problems:

1. There are 167 books in one classroom and 392 books in the other. How many books are there altogether in both classrooms?

2. Jay has a collection of 263 football cards. His brother has 189. How many more football cards does Jay have?

3. A family drive 208 miles from London to Manchester and then 213 miles to Glasgow. How far did they travel altogether?

4. A cricket team score 456 in the first innings and 249 in the second innings. How many runs did they score altogether?

5. Jenny has £6.67. She spends £2.85 on a present for her brother. How much money does she have altogether?

6. Abi collects stamps. She has 351 in a box and 456 in a book. How many does she have altogether?

7. A lorry driver has a 561 mile journey. He stops for a break after 314 miles. How much further has he to travel?

8. A pack of Christmas cards costs £5.49. How much change would there be from £10.00?

9. A packet of lentils weighs 450g and a packet of kidney beans weighs 385g. How much do they both weigh altogether?

10. A shopkeeper has 367 bottles of lemonade. He orders 480 more. How many bottles of lemonade will he have now?

### Challenge

Two children have 720 marbles between them. Jay has 126 more than Abi. How many does Abi have?
Addition and Subtraction Using Worded Calculations

Solve the following problems:

1. What number is five more than two hundred and fifty nine?
2. What number is 451 subtract 246?
3. How much larger is 817 than 662?
4. What number is three hundred and six more than four hundred and nineteen?
5. What number is the difference between two hundred and sixteen and three hundred and nine?
6. Add five hundred and ninety three and three hundred and sixty eight.
7. What number is four hundred and sixty five less than seven hundred and twelve?
8. Increase £5.73 by £6.45.
9. What number is the sum of six hundred and forty and five hundred and seventy six?
10. Decrease 790 by 213.
11. Add together £2.58, £6.27 and £7.03
12. What number is two hundred and fourteen minus one hundred and seventeen?
13. Take £271 away from £604
14. If I increase a number by 382 and get 901, what number did I start with?
15. Add together 219 and 734, then subtract 486.

Challenge

Use the digits 1 to 9 to make three numbers that add up to 900.