

Day 1

Adding Ones to a 3-Digit Number

Calculate the answers to the following:

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

- $166 - 3 =$ _____
- $295 - 4 =$ _____
- $307 - 5 =$ _____
- $489 - 7 =$ _____
- $578 - 4 =$ _____
- $636 - 2 =$ _____
- $794 - 3 =$ _____
- $959 - 8 =$ _____
- $145 - 8 =$ _____
- $213 - 7 =$ _____
- $383 - 5 =$ _____
- $491 - 4 =$ _____
- $571 - 5 =$ _____
- $678 - 9 =$ _____
- $722 - 6 =$ _____
- $982 - 4 =$ _____
- $122 - 6 =$ _____
- $279 -$ _____ $= 271$
- _____ $- 3 = 333$
- $459 - 3 =$ _____
- $566 -$ _____ $= 557$
- $659 - 4 =$ _____
- $779 - 5 =$ _____
- _____ $- 8 = 944$

Challenge

Explain how you would use $14 - 8 = 6$ to calculate $384 - 8$.

Day 2

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 $8 + 6 = 14$ to calculate $783 + 60$.

Subtracting Tens from a 3-Digit Number

Calculate the answers to the following:

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

Challenge

In what other calculations could you use $12 - 8 = 5$ to help?

Day 3

Adding Hundreds to a 3-Digit Number

Calculate the answers to the following:

- | | |
|-------------------------|----------------------------|
| 1. $163 + 500 =$ _____ | 13. $549 + 800 =$ _____ |
| 2. $345 + 600 =$ _____ | 14. $672 + 700 =$ _____ |
| 3. $582 + 400 =$ _____ | 15. $701 + 900 =$ _____ |
| 4. $273 + 300 =$ _____ | 16. $927 + 600 =$ _____ |
| 5. $561 + 200 =$ _____ | 17. $116 + 700 =$ _____ |
| 6. $170 + 700 =$ _____ | 18. $352 +$ _____ $= 1252$ |
| 7. $207 + 500 =$ _____ | 19. _____ $- 3 = 333$ |
| 8. $719 + 100 =$ _____ | 20. $824 + 300 =$ _____ |
| 9. $372 + 800 =$ _____ | 21. $562 + 900 =$ _____ |
| 10. $460 + 700 =$ _____ | 22. _____ $+ 300 = 916$ |
| 11. $508 + 900 =$ _____ | 23. $752 +$ _____ $= 1552$ |
| 12. $721 + 500 =$ _____ | 24. $911 + 700 =$ _____ |

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. $353 - 200 =$ _____ 9. $268 - 200 =$ _____

2. $416 - 400 =$ _____ 10. $416 - 100 =$ _____

3. $531 - 300 =$ _____ 11. $547 - 300 =$ _____

4. $789 - 500 =$ _____ 12. $346 - 100 =$ _____

5. $564 - 300 =$ _____ 13. $564 - 400 =$ _____

6. $820 - 600 =$ _____ 14. $893 - 600 =$ _____

7. $707 - 500 =$ _____ 15. $507 - 500 =$ _____

8. $919 - 700 =$ _____ 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?

Day 4

Adding 3-Digit and 2-Digit Numbers - No Carrying

Calculate the answers to the following:

$$\begin{array}{r} 534 \\ + 45 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 213 \\ + 62 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 304 \\ + 84 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 672 \\ + 16 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 130 \\ + 56 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 802 \\ + 92 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 529 \\ + 50 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 281 \\ + 17 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 552 \\ + 36 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 607 \\ + 72 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 628 \\ + 21 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 327 \\ + 51 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 474 \\ + 15 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 153 \\ + 44 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 371 \\ + 22 \\ \hline \\ \hline \end{array}$$

Calculate the following calculations:

$$\begin{array}{r} 4 \underline{\quad} 2 \\ + 15 \\ \hline 467 \\ \hline \end{array}$$

$$\begin{array}{r} \underline{\quad} 53 \\ + 4 \\ \hline 796 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \underline{\quad} 8 \\ + 21 \\ \hline 84 \underline{\quad} \\ \hline \end{array}$$

Adding 3-Digit and 2-Digit Numbers - With Carrying

Calculate the answers to the following:

$$\begin{array}{r} 673 \\ + 18 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 457 \\ + 25 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 304 \\ + 69 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 615 \\ + 38 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 149 \\ + 16 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 805 \\ + 85 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 672 \\ + 42 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 581 \\ + 67 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 292 \\ + 36 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 670 \\ + 72 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 662 \\ + 75 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 387 \\ + 51 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 476 \\ + 45 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 158 \\ + 74 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 379 \\ + 26 \\ \hline \\ \hline \end{array}$$

Calculate the following calculations:

$$\begin{array}{r} 3 \underline{\quad} 2 \\ + 55 \\ \hline 437 \end{array}$$

$$\begin{array}{r} \underline{\quad} 47 \\ + 4 \\ \hline 796 \end{array}$$

$$\begin{array}{r} 8 \underline{\quad} 8 \\ + 65 \\ \hline 4 \end{array}$$

Day 5

Subtracting 2-Digit Numbers from 3-Digit Numbers No Exchanging

Calculate the answers to the following:

$$\begin{array}{r} 479 \\ - 18 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 337 \\ - 25 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 584 \\ - 61 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 478 \\ - 38 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 748 \\ - 16 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 563 \\ + 12 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 652 \\ - 32 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 569 \\ - 67 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 298 \\ - 36 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 677 \\ - 72 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 697 \\ - 75 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 387 \\ - 51 \\ \hline \\ \hline \end{array}$$

Calculate the following calculations:

$$\begin{array}{r} 3 \underline{\quad} 7 \\ - 5 \\ \hline 302 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \underline{\quad} \\ - \quad 2 \\ \hline 515 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \underline{\quad} 8 \\ - 6 \\ \hline 833 \\ \hline \end{array}$$

Subtracting 2-Digit Numbers from 3-Digit Numbers With Exchanging

Calculate the answers to the following:

$$\begin{array}{r} 343 \\ - 18 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 641 \\ - 25 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 472 \\ - 67 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 473 \\ - 38 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 620 \\ - 16 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 364 \\ + 46 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 415 \\ - 33 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 528 \\ - 67 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 126 \\ - 31 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 673 \\ - 82 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 607 \\ - 64 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 916 \\ - 53 \\ \hline \\ \hline \end{array}$$

Calculate the following calculations:

$$\begin{array}{r} 2 \underline{\quad} 2 \\ - 3 \\ \hline \\ \hline 220 \end{array}$$

$$\begin{array}{r} 47 \underline{\quad} \\ - 4 \\ \hline \\ \hline 449 \end{array}$$

$$\begin{array}{r} 8 \underline{\quad} 1 \\ - 6 \\ \hline \\ \hline 24 \end{array}$$
