

## 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:

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

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

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

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## 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:

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

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

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

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## 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:

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

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

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

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## 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:

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

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

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

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