Subtraction Strategy

Subtraction from 10

10 + 0 = 10
9 + 1 = 10
8 + 2 = 10
7 + 3 = 10
6 + 4 = 10
5 + 5 = 10
4 + 6 = 10
3 + 7 = 10
2 + 8 = 10
1 + 9 = 10
0 + 10 = 10

10 + _____ = 10
9 + _____ = 10
8 + _____= 10
7 + _____= 10
6 + _____ = 10
5 + _____ = 10
4 + _____ = 10
3 + _____ = 10

Subtraction

2 + _____ = 10
1 + _____ = 10
0 + _____ = 10

10 - 0 =
10 – 1=
10 – 2 =
10 – 3 =
10 – 4 =
10 – 5 =
10 – 6 =
10 – 7 =
10 – 8 =
10 – 9 =
10 – 10 =

Rest at 10

Example:

| 14 – 8 | 8 to 10 is 2 | 10 to 14 is 4 | 14 – 8 = 6 |

11 - 7			
12 - 6			
13- 7			
15 - 9			
19 - 6			
18 - 7			
17 - 5			
16 - 3			

Use adding double strategy

1 + 1 =	2 – 1 =
2 + 2=	4 – 2 =
3 + 3 =	6 – 3 =
4 + 4 =	8 – 4 =
5 + 5 =	10 – 5 =
6 + 6 =	12 – 6=

7 + 7 =	14 – 7=
8 + 8 =	16 – 8 =
9 + 9=	18 - 9 =
10 + 10 =	20 – 10=

Practice

20 – 10=	2 – 1 =
4 – 2 =	4 – 2 =
8 – 4 =	6 – 3 =
10 – 5 =	8 – 4 =
20 – 10=	10 – 5 =
14 – 7=	12 – 6=
16 – 8 =	14 – 7=
4 – 2 =	16 – 8 =
18 - 9 =	18 - 9 =
6 – 3 =	20 – 10=

Subtraction- L2
Regrouping
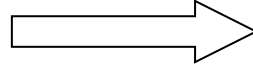
More on top?

No Need to stop !

⟹

38
-16

More on the floor?

Go next door ..

And get 10 more !

⟹

58
-29
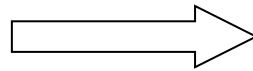
Numbers the same?

Zero's the game !

⟹

88
-68
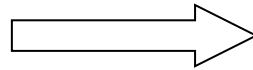
More on top ? No Need to stop

Tens	Ones
3	3
− 2	2

Tens	Ones
2	8
− 1	3

Tens	Ones
9	9
− 5	2

Tens	Ones
8	8
− 4	3

Tens	Ones
6	7
− 5	4

Tens	Ones
5	6
− 3	4

Tens	Ones
4	7
− 3	5

Tens	Ones
9	7
− 3	5

Tens	Ones
7	8
− 3	5

Subtraction

Tens	Ones
3	7
− 2	6

Tens	Ones
2	8
− 1	6

Tens	Ones
9	9
− 5	6

Tens	Ones
8	7
− 4	6

Tens	Ones
6	7
− 5	6

Tens	Ones
5	8
− 3	6

Tens	Ones
4	7
− 3	6

Tens	Ones
9	9
− 3	6

Tens	Ones
7	7
− 3	6

Subtraction

Tens	Ones
3	9
2	7

− (for first problem)

Tens	Ones
2	8
1	7

Tens	Ones
9	9
5	7

Tens	Ones
8	7
4	6

Tens	Ones
6	8
5	6

Tens	Ones
5	9
3	6

Tens	Ones
4	9
3	5

Tens	Ones
9	8
3	5

Tens	Ones
7	7
3	5

Tens	Ones
3	5
2	4

Tens	Ones
2	6
1	4

Tens	Ones
9	7
5	4

Tens	Ones
8	8
4	4

Tens	Ones
6	9
5	4

Tens	Ones
5	9
3	3

Tens	Ones
4	4
3	2

Tens	Ones
9	5
3	1

Tens	Ones
7	9
3	4

More on the floor? Go next door ..And get 10 more !

Tens	Ones
7	4
3	9

Tens	Ones
6	4
2	6

Tens	Ones
3	4
1	8

Tens	Ones
5	4
2	8

Tens	Ones
9	4
6	5

Tens	Ones
8	4
3	9

Tens	Ones
4	4
2	5

Tens	Ones
8	4
5	9

Tens	Ones
9	4
4	7

Subtraction

Tens	Ones
7	3
3	9

Tens	Ones
6	3
2	6

Tens	Ones
3	3
1	8

Tens	Ones
5	3
2	4

Tens	Ones
9	3
6	4

Tens	Ones
8	3
3	9

Tens	Ones
4	3
2	5

Tens	Ones
8	3
5	9

Tens	Ones
9	3
4	7

Subtraction

Tens	Ones
7	2
3	9

Tens	Ones
6	2
2	6

Tens	Ones
3	2
1	8

Tens	Ones
5	2
2	3

Tens	Ones
9	2
6	4

Tens	Ones
8	2
3	8

Tens	Ones
4	2
2	5

Tens	Ones
8	2
4	9

Tens	Ones
9	2
4	7

Subtraction

Tens	Ones
7	1
3	9

Tens	Ones
6	1
4	6

Tens	Ones
3	1
1	8

Tens	Ones
5	1
2	3

Tens	Ones
9	1
6	4

Tens	Ones
8	1
3	2

Tens	Ones
4	1
2	5

Tens	Ones
8	1
4	9

Tens	Ones
9	1
4	7

Subtraction

Tens	Ones
3	1
2	2

Tens	Ones
2	1
1	3

Tens	Ones
9	1
5	2

Tens	Ones
8	1
4	3

Tens	Ones
6	1
5	4

Tens	Ones
5	1
3	4

Tens	Ones
4	1
3	9

Tens	Ones
9	1
3	5

Tens	Ones
7	1
3	9

Subtraction

Tens	Ones
3	1
2	6

Tens	Ones
2	1
1	6

Tens	Ones
9	1
5	6

Tens	Ones
8	1
4	6

Tens	Ones
6	1
5	6

Tens	Ones
5	1
3	6

Tens	Ones
4	1
3	6

Tens	Ones
9	1
3	6

Tens	Ones
7	1
3	6

Subtraction

Tens	Ones
3	1
2	7

Tens	Ones
2	1
1	7

Tens	Ones
9	1
5	7

Tens	Ones
8	1
4	7

Tens	Ones
6	1
5	7

Tens	Ones
5	1
3	7

Tens	Ones
4	1
3	7

Tens	Ones
9	1
3	7

Tens	Ones
7	1
3	7

Subtraction

Tens	Ones
3	1
2	4

Tens	Ones
2	1
1	4

Tens	Ones
9	1
5	4

Tens	Ones
8	1
4	4

Tens	Ones
6	1
5	4

Tens	Ones
5	1
3	4

Tens	Ones
4	1
3	4

Tens	Ones
9	1
3	4

Tens	Ones
7	1
3	4

Number the same? Zero is the game

```
   8  6          5  4          9  8          4  7
 . 1  6        . 1  4        . 7  8        . 3  7
 ────────      ────────      ────────      ────────


   2  1          3  5          6  7          3  7
 . 1  1        . 1  5        . 2  7        . 1  7
 ────────      ────────      ────────      ────────


   4  5          9  3          3  3          4  7
 . 2  5        . 2  3        . 1  3        . 1  7
 ────────      ────────      ────────      ────────


   6  3          7  7          4  3          6  7
 . 3  3        . 4  7        . 3  3        . 3  7
 ────────      ────────      ────────      ────────


   5  7          5  3          8  6          3  6
 . 2  7        . 2  3        . 3  6          3  6
 ────────      ────────      ────────      ────────
```

There are 61 cards. 7 cards more are added. How many are there total?

Harry has 26 marbles. 15 are eaten by a hippopotamus. How many marbles will Harry have?

Howard has 87 oranges. He shares 58 with Cynthia. How many oranges will Howard have?

Alan weighs 64 pounds. Betty weighs 45 pounds. How much heavier is Alan than Betty?

There are 94 bottle caps in a box. Wayne takes 25 bottle caps. How many are left?

Mixed:

8 8	5 3	9 8	4 1
- 1 6	- 1 4	- 7 8	- 3 7

2 8	3 5	6 1	3 4
- 1 1	- 1 5	- 2 7	- 1 7

4 5	9 6	3 1	4 2
- 2 5	- 2 3	- 1 3	- 1 7

6 2	7 1	4 2	6 7
- 3 3	- 4 7	- 3 3	- 3 7

5 7	5 3	8 6	3 6
- 2 7	- 2 3	- 3 6	3 6

Subtraction

Tens	Ones
7	4
− 3	9

Tens	Ones
6	4
− 2	6

Tens	Ones
3	4
− 1	8

Tens	Ones
5	4
− 2	8

Tens	Ones
9	4
− 6	5

Tens	Ones
8	9
− 3	9

Tens	Ones
4	8
− 2	5

Tens	Ones
8	4
− 5	9

Tens	Ones
9	4
− 4	7

Subtraction

Tens	Ones
7	9
− 3	9

Tens	Ones
6	3
− 2	6

Tens	Ones
3	3
− 1	8

Tens	Ones
5	3
− 2	4

Tens	Ones
9	3
− 6	4

Tens	Ones
8	3
− 3	9

Tens	Ones
4	9
− 2	5

Tens	Ones
8	3
− 5	9

Tens	Ones
9	7
− 4	7

Subtraction

Tens	Ones
7	2
− 3	9

Tens	Ones
6	2
− 2	6

Tens	Ones
3	8
− 1	8

Tens	Ones
5	7
− 2	3

Tens	Ones
9	2
− 6	4

Tens	Ones
8	2
− 3	2

Tens	Ones
4	8
− 2	5

Tens	Ones
8	9
− 4	9

Tens	Ones
9	2
− 4	7

3 Digit

1 step regroup

```
    1   6   7              3   5   9
−       4   8          −   1   6   4
  ─────────────          ─────────────


    2   4   5              4   9   6
−   1   3   6          −   2   5   8
  ─────────────          ─────────────


    3   4   7              4   5   6
−   1   2   8          −   2   6   4
  ─────────────          ─────────────


    4   6   7              2   3   1
−   1   5   8          −   1   1   9
  ─────────────          ─────────────
```

```
  2  5  2          3  4  5          4  3  2
- 1  2  3        - 1  2  6        - 2  2  5
_____      _____      _____


  3  4  9          5  9  8          5  9  8
- 1  6  8        -    2  9        - 3  9  9
_____      _____      _____


  6  9  2          7  8  9          6  7  9
- 3  2  4        - 4  9  5        - 4  8  6
_____      _____      _____


  9  2  9          6  5  9          7  2  5
- 8  3  5        - 5  7  8        - 6  1  6
_____      _____      _____
```

3 Digit

2 step regroup

Hundreds	Tens	Ones
9	2	2
− 3	8	8

Hundreds	Tens	Ones
8	3	2
− 4	7	6

Hundreds	Tens	Ones
5	2	4
− 2	6	9

Hundreds	Tens	Ones
6	2	3
− 3	5	8

Hundreds	Tens	Ones
8	4	2
− 5	7	5

Hundreds	Tens	Ones
7	5	2
− 4	8	7

Hundreds	Tens	Ones
9	2	5
− 3	8	9

Hundreds	Tens	Ones
8	4	2
− 4	7	8

Hundreds	Tens	Ones
5	2	3
− 2	9	7

Hundreds	Tens	Ones
6	3	4
− 3	7	9

Hundreds	Tens	Ones
8	3	2
− 5	5	6

Hundreds	Tens	Ones
7	2	6
− 4	4	7

Hundreds	Tens	Ones
9	2	4
− 3	9	8

Hundreds	Tens	Ones
8	3	3
− 4	9	6

Hundreds	Tens	Ones
5	2	4
− 2	5	7

Hundreds	Tens	Ones
6	2	3
− 3	4	5

Hundreds	Tens	Ones
8	4	2
− 5	6	8

Hundreds	Tens	Ones
7	5	2
− 4	7	9

```
   7  2  3        8  3  2        9  2  6
-  5  2  3     -  5  6  9     -  7  6  8
_____    _____    _____


   6  2  3        7  5  3        7  2  3
-  4  5  9     -  5  3  7     -  5  8  6
_____    _____    _____


   5  2  5        6  3  3        6  3  3
-  3  3  6     -  4  6  8     -  5  9  7
_____    _____    _____


   4  3  2        5  7  8        5  3  6
-  1  9  8     -  3  8  3     -  3  9  8
_____    _____    _____
```

```
  8 2 3        9 3 2        6 2 6
- 2 3 8      - 2 6 9      - 2 6 8
_____    _____    _____


  8 2 3        9 5 3        6 2 3
- 2 5 9      - 2 3 7      - 2 5 6
_____    _____    _____


  8 2 5        5 3 3        6 3 3
- 2 3 6      - 2 6 8      - 2 5 7
_____    _____    _____


  8 3 2        5 7 8        7 3 6
- 2 9 8      - 2 8 3      - 2 9 8
_____    _____    _____
```

```
  8 2 6          9 3 5          6 5 6
- 5 3 8        - 6 7 8        - 3 6 8
_____      _____      _____


  8 2 3          9 5 3          6 2 3
- 6 5 7        - 5 2 8        - 5 5 6
_____      _____      _____


  8 2 5          5 5 3          6 6 3
- 7 3 8        - 2 5 8        - 3 7 8
_____      _____      _____


  8 3 2          5 7 8          7 3 6
- 7 9 8        - 3 8 3        - 6 7 8
_____      _____      _____
```

```
    9 2 6          8 3 5          9 5 6
  - 5 3 8        - 6 7 8        - 3 6 8
  _____      _____      _____


    9 2 3          7 5 3          8 2 3
  - 6 5 7        - 5 2 8        - 5 5 6
  _____      _____      _____


    9 2 5          9 5 3          7 6 3
  - 7 3 8        - 2 5 8        - 3 7 8
  _____      _____      _____


    9 3 2          6 7 8          8 3 6
  - 7 9 8        - 3 8 3        - 6 7 8
  _____      _____      _____
```

```
   9  2  6          8  3  5          9  5  6
-  6  5  8       -  3  6  8       -  5  9  8
_____       _____       _____


   9  2  3          7  5  3          8  2  3
-  5  6  7       -  3  7  8       -  3  8  6
_____       _____       _____


   9  2  5          9  5  3          7  6  3
-  5  6  8       -  3  6  8       -  3  9  8
_____       _____       _____


   9  3  2          6  7  8          8  3  6
-  7  7  8       -  5  9  3       -  5  6  7
_____       _____       _____
```

3 Digit

Mixed regroup

Subtraction

```
   5 6 2          4 5 3
 - 3 5 3        - 3 6 5
 _____        _____
```

```
   3 3 2          6 7 8
 - 1 5 3        - 4 8 2
 _____        _____
```

```
   4 5 3          5 2 3
 - 1 2 4        - 2 3 4
 _____        _____
```

```
   7 3 5          6 4 5
 - 3 2 7        - 3 2 6
 _____        _____
```

Subtraction

5 7 9 − 4 8 8	7 3 2 − 6 5 3	5 3 8 − 4 5 9
3 4 5 − 1 3 6	4 5 3 − 3 6 4	6 7 8 − 5 3 9
4 2 1 − 3 1 9	6 5 4 − 3 2 3	3 9 4 − 2 8 3
6 8 8 − 5 9 9	7 8 5 − 6 6 6	7 8 5 − 6 9 6

```
  832      842      241      322      517
- 203    - 530    - 133    - 131    - 181
_____    _____    _____    _____    _____


  487      621      257      444      213
- 179    - 243    - 115    - 197    - 175
_____    _____    _____    _____    _____


  741      768      816      781      261
- 112    - 687    - 230    - 102    - 172
_____    _____    _____    _____    _____


  332      279      311      228      753
- 194    - 125    - 122    - 162    - 334
_____    _____    _____    _____    _____


  644      224      879      252      217
- 102    - 111    - 251    - 141    - 120
_____    _____    _____    _____    _____
```

857	625	736	540	581
−317	−523	−626	−119	−470

829	768	973	490	932
−313	−155	−923	−217	−754

956	436	612	382	631
−244	−316	−353	−153	−180

732	331	372	713	574
−359	−239	−348	−394	−370

953	588	785	845	774
−668	−214	−710	−103	−518

616	768	959	505	738
−401	−181	−707	−211	−556

Subtraction Regroup
With Zeros

```
   8 0        5 0        9 0        4 0
 - 1 6      - 1 4      - 7 8      - 3 7
 _____     _____     _____     _____


   2 0        3 0        6 0        3 0
 - 1 1      - 1 5      - 2 7      - 1 7
 _____     _____     _____     _____


   4 0        9 0        3 0        4 0
 - 2 5      - 2 3      - 1 3      - 1 7
 _____     _____     _____     _____


   6 0        7 0        4 0        6 0
 - 3 3      - 4 7      - 3 3      - 3 7
 _____     _____     _____     _____


   5 0        5 0        8 0
 - 2 7      - 2 3      - 3 6
 _____     _____     _____
```

```
  3  0  3        3  0  1        5  0  9
- 1  5  2      - 2  6  2      - 1  5  8
_____    _____    _____


  6  0  5        8  0  9        6  0  5
- 1  9  7      - 5  0  5      - 4  3  9
_____    _____    _____


  7  0  8        6  0  7        3  0  9
- 5  7  8      - 4  9  7      - 2  7  5
_____    _____    _____


  6  0  5        1  0  2        3  0  8
- 4  0  6      -     6  5      - 2  9  9
_____    _____    _____


  5  0  2        6  0  1        7  0  2
- 3  1  5      - 2  2  4      - 5  7  9
_____    _____    _____
```

1.
$$800 - 316$$

2.
$$300 - 57$$

3.
$$100 - 91$$

4.
$$900 - 292$$

5.
$$300 - 212$$

6.
$$100 - 59$$

7.
$$300 - 165$$

8.
$$300 - 253$$

9.
$$900 - 454$$

10.
$$400 - 176$$

11.
$$300 - 162$$

12.
$$200 - 182$$

1. 7 0 0
   − 1 7 7
   _____

2. 3 0 0
   −   5 2
   _____

3. 1 0 0
   −   5 6
   _____

4. 3 0 0
   − 1 5 6
   _____

5. 8 0 0
   − 4 9 6
   _____

6. 4 0 0
   − 2 4 3
   _____

7. 4 0 0
   − 3 7 9
   _____

8. 5 0 0
   − 1 5 3
   _____

9. 7 0 0
   − 5 7 6
   _____

10. 7 0 0
    − 4 5 7
    _____

11. 2 0 0
    − 1 5 3
    _____

12. 5 0 0
    −   7 5
    _____

1. $\begin{array}{r} 800 \\ -25 \\ \hline \\ \hline \end{array}$

2. $\begin{array}{r} 200 \\ -21 \\ \hline \\ \hline \end{array}$

3. $\begin{array}{r} 800 \\ -223 \\ \hline \\ \hline \end{array}$

4. $\begin{array}{r} 200 \\ -73 \\ \hline \\ \hline \end{array}$

5. $\begin{array}{r} 500 \\ -457 \\ \hline \\ \hline \end{array}$

6. $\begin{array}{r} 600 \\ -475 \\ \hline \\ \hline \end{array}$

7. $\begin{array}{r} 300 \\ -228 \\ \hline \\ \hline \end{array}$

8. $\begin{array}{r} 400 \\ -199 \\ \hline \\ \hline \end{array}$

9. $\begin{array}{r} 700 \\ -429 \\ \hline \\ \hline \end{array}$

10. $\begin{array}{r} 200 \\ -134 \\ \hline \\ \hline \end{array}$

11. $\begin{array}{r} 500 \\ -21 \\ \hline \\ \hline \end{array}$

12. $\begin{array}{r} 400 \\ -334 \\ \hline \\ \hline \end{array}$

1. 9 0 0
    −   2 4
    _____

2. 8 0 0
    − 3 1 5
    _____

3. 2 0 0
    −   1 8
    _____

4. 9 0 0
    − 4 9 1
    _____

5. 7 0 0
    − 6 2 3
    _____

6. 7 0 0
    − 1 8 4
    _____

7. 4 0 0
    − 3 3 2
    _____

8. 8 0 0
    − 1 1 6
    _____

9. 4 0 0
    − 3 9 2
    _____

10. 5 0 0
     −   8 3
     _____

11. 9 0 0
     − 6 5 4
     _____

12. 9 0 0
     − 8 9 4
     _____

1. 5 0 0
   − 1 2 9
   _____

2. 9 0 0
   − 5 4 9
   _____

3. 6 0 0
   − 4 8 1
   _____

4. 6 0 0
   − 4 6 8
   _____

5. 6 0 0
   − 1 7 3
   _____

6. 2 0 0
   − 1 5 9
   _____

7. 5 0 0
   − 3 9 4
   _____

8. 2 0 0
   −   7 6
   _____

9. 9 0 0
   −   5 2
   _____

10. 1 0 0
    −   4 4
    _____

11. 1 0 0
    −   1 2
    _____

12. 1 0 0
    −   9 7
    _____

1.
$$\begin{array}{r} 1\ 0\ 0 \\ -\ \ \ 4\ 1 \\ \hline \\ \hline \end{array}$$

2.
$$\begin{array}{r} 6\ 0\ 0 \\ -\ 1\ 4\ 1 \\ \hline \\ \hline \end{array}$$

3.
$$\begin{array}{r} 1\ 0\ 0 \\ -\ \ \ 6\ 2 \\ \hline \\ \hline \end{array}$$

4.
$$\begin{array}{r} 2\ 0\ 0 \\ -\ \ \ 3\ 2 \\ \hline \\ \hline \end{array}$$

5.
$$\begin{array}{r} 5\ 0\ 0 \\ -\ 2\ 3\ 8 \\ \hline \\ \hline \end{array}$$

6.
$$\begin{array}{r} 5\ 0\ 0 \\ -\ \ \ 3\ 7 \\ \hline \\ \hline \end{array}$$

7.
$$\begin{array}{r} 5\ 0\ 0 \\ -\ 3\ 8\ 4 \\ \hline \\ \hline \end{array}$$

8.
$$\begin{array}{r} 3\ 0\ 0 \\ -\ 1\ 3\ 6 \\ \hline \\ \hline \end{array}$$

9.
$$\begin{array}{r} 3\ 0\ 0 \\ -\ 2\ 2\ 3 \\ \hline \\ \hline \end{array}$$

10.
$$\begin{array}{r} 9\ 0\ 0 \\ -\ 7\ 2\ 6 \\ \hline \\ \hline \end{array}$$

11.
$$\begin{array}{r} 5\ 0\ 0 \\ -\ 2\ 5\ 5 \\ \hline \\ \hline \end{array}$$

12.
$$\begin{array}{r} 5\ 0\ 0 \\ -\ \ \ 2\ 3 \\ \hline \\ \hline \end{array}$$

```
  7 8 0      3 0 3      9 8 1      9 8 0      3 6 3
- 4 2 9    - 2 7 1    - 2 5 1    - 7 4 2    - 2 2 1
```

```
  2 2 0      9 0 6      2 3 3      6 2 1      3 9 3
- 1 1 5    - 3 1 2    - 1 2 2    - 5 1 1    - 2 4 1
```

```
  9 0 0      2 6 0      2 4 6      9 0 3      4 1 0
- 7 9 3    - 1 1 1    - 1 3 3    - 4 1 1    - 2 1 1
```

```
  3 0 0      6 0 0      7 0 5      6 0 0      9 0 8
- 2 2 1    - 3 5 6    - 2 5 2    - 2 3 9    - 8 9 5
```

```
  9 0 8      8 1 0      7 0 0      6 0 0      4 0 0
- 8 2 1    - 1 1 2    - 4 6 4    - 1 8 9    - 1 9 8
```

```
  6 0 6      5 5 0      4 8 9      5 5 0      2 0 6
- 3 5 3    - 4 2 5    - 3 5 6    - 1 1 5    - 1 4 1
```

```
  5 0 0 1      2 1 0 7      3 7 7 9      7 0 6 0      4 0 0 7
- 3 9 1 0    - 1 0 8 1    - 1 0 6 3    - 1 8 3 4    - 2 6 5 4


  6 0 8 0      7 0 5 5      7 4 5 0      9 6 7 1      7 0 9 0
- 4 7 1 8    - 3 1 0 4    - 6 0 4 5    - 1 0 3 0    - 1 1 0 2


  9 0 1 1      4 0 0 0      7 7 0 8      5 2 6 3      4 0 0 6
- 6 7 0 0    - 2 5 6 4    - 4 1 9 5    - 2 1 5 1    - 2 8 6 2


  5 0 0 0      3 0 3 3      6 6 7 0      2 0 4 0      7 7 0 5
- 1 2 5 8    - 2 8 2 1    - 3 5 2 3    - 1 7 3 6    - 1 0 7 4


  2 9 0 0      7 5 0 0      8 5 4 5      8 3 5 0      3 0 1 3
- 1 0 5 1    - 2 4 8 7    - 3 3 1 0    - 3 1 0 8    - 2 5 0 0


  3 3 0 4      9 0 0 0      2 9 0 0      2 4 9 0      9 1 0 0
- 2 0 9 0    - 1 5 7 4    - 1 1 9 3    - 1 3 7 4    - 7 0 5 4
```

8 0 3 0	7 0 2 0	6 0 4 0
− 4 7 9 9	− 4 4 6 9	− 3 5 6 9

4 0 2 0	3 0 3 0	8 0 2 0
− 2 9 7 8	− 1 3 8 8	− 4 7 7 9

7 0 4 0	7 0 3 0	8 0 2 0
− 5 8 9 8	− 4 5 5 6	− 3 5 8 8

6 0 3 0	4 0 5 0	6 0 4 0
− 2 9 7 8	− 1 7 7 6	− 2 9 6 4

8 0 3 0	8 0 4 0	7 0 5 0
− 3 7 4 3	− 4 2 7 9	− 5 9 6 8

9 0 8 0	9 0 7 0	9 0 6 0
− 4 7 8 9	− 4 4 6 9	− 3 5 6 9

9 0 8 0	9 0 5 0	9 0 4 0
− 2 9 7 8	− 1 3 8 8	− 4 7 7 9

9 0 6 0	9 0 8 0	9 0 4 0
− 5 8 9 8	− 4 5 5 6	− 3 5 8 8

9 0 6 0	9 0 7 0	9 0 6 0
− 2 9 7 8	− 1 7 7 6	− 2 9 6 4

9 0 9 0	9 0 6 0	9 0 9 0
− 3 7 4 3	− 4 2 7 9	− 5 9 6 8

8 0 0 1	7 0 0 2	6 0 0 3
− 4 7 9 9	− 4 4 6 9	− 3 5 6 9

4 0 0 4	3 0 0 5	8 0 0 6
− 2 9 7 8	− 1 3 8 8	− 4 7 7 9

7 0 0 7	7 0 0 5	8 0 0 2
− 5 8 9 8	− 4 5 5 6	− 3 5 8 8

6 0 0 3	4 0 0 4	6 0 0 3
− 2 9 7 8	− 1 7 7 6	− 2 9 6 4

8 0 0 1	8 0 0 2	7 0 0 3
− 3 7 4 3	− 4 2 7 9	− 5 9 6 8

```
    8 0 0 1          7 0 0 2          6 0 0 3
  − 4 7 8 9        − 4 4 9 9        − 3 5 7 9
  _____        _____        _____


    4 0 0 4          3 0 0 5          8 0 0 6
  − 2 9 8 8        − 1 3 9 8        − 4 7 8 9
  _____        _____        _____


    7 0 0 2          7 0 0 1          6 0 0 1
  − 5 8 9 8        − 4 5 5 6        − 3 5 8 8
  _____        _____        _____


    6 0 0 3          4 0 0 2          3 0 0 1
  − 2 9 8 8        − 1 7 7 9        − 2 9 6 9
  _____        _____        _____


    8 0 0 1          6 0 0 2          9 0 0 3
  − 3 7 4 8        − 4 2 7 9        − 5 9 6 9
  _____        _____        _____
```

8 0 0 1 − 7 7 8 9	7 0 0 2 − 6 4 9 9	6 0 0 3 − 5 5 7 9
4 0 0 4 − 3 9 8 8	3 0 0 5 − 2 3 9 8	8 0 0 6 − 7 7 8 9
7 0 0 2 − 6 8 9 8	7 0 0 1 − 6 5 5 6	6 0 0 1 − 5 5 8 8
6 0 0 3 − 5 9 8 9	4 0 0 2 − 3 7 7 9	3 0 0 1 − 2 9 6 9
8 0 0 1 − 7 7 4 8	6 0 0 2 − 5 2 7 9	9 0 0 3 − 8 9 6 9

8 0 0 1	7 2 0 2	6 0 0 3
− 7 9 9 9	− 6 9 9 9	− 5 9 9 9

4 0 0 0	3 4 0 1	8 0 0 6
− 3 9 9 8	− 2 9 9 8	− 7 9 9 9

7 1 0 2	7 2 0 1	6 3 0 1
− 6 9 9 8	− 6 9 5 6	− 5 9 8 8

6 1 0 3	4 2 0 2	3 1 0 1
− 5 9 8 9	− 3 9 7 9	− 2 9 9 9

8 2 0 1	6 3 0 2	9 4 0 3
− 7 9 4 8	− 5 9 7 9	− 8 9 9 9

```
  8 2 0 1        7 2 0 0        6 0 0 3
– 7 9 9 9      – 6 9 9 9      – 5 9 8 9
_____    _____    _____


  4 0 1 0        3 0 0 1        8 2 0 6
– 3 9 9 8      – 2 9 9 8      – 7 9 9 9
_____    _____    _____


  7 1 0 2        7 2 0 0        6 3 0 1
– 6 9 7 8      – 6 9 5 6      – 5 9 7 8
_____    _____    _____


  6 1 0 0        4 2 0 0        3 1 0 1
– 5 9 8 9      – 3 8 7 9      – 2 9 9 9
_____    _____    _____


  8 0 0 1        6 3 0 0        9 4 0 3
– 7 9 4 8      – 5 9 7 9      – 8 9 4 9
_____    _____    _____
```

Read each problem. Write a number sentence and solve.

1. Mrs. Smith has 33poodles and 18 boxers. How many more poodles does Mrs. Smith have? _____	2. The kennel holds 91 dogs. Mr. Glass has 67 dogs in the kennel now. How many spaces does he have left? _____
3. Mr. Kelly has 44beagles. 26 of them are puppies. How many adult beagles does Mr. Kelly have? _____	4. Mrs.Green has 60 terriers. 25 of them are boys. How many terriers are girls? _____
5. There were 58 kittens at the pet shop on Friday. 29 of them were sold on Saturday. How many kittens were left. _____	6. Pat counted 22 lizards in the tank at the pet shop. 8were sold later that day. How many lizards were left in the tank? _____

Show your work here:

1.	Amelia made 34 cookies for her School bake sale. The first hour she sold 18. The second hour she sold 9. She ate 1. How many cupcakes did she have left?
2.	Emily's dad brought her a box of chocolates. The box held 24 chocolates. She gave two each to her mother, her sister, her brother and her dad. She ate 3. How many did she have left?
3.	Ty invited 12 kids to his birthday party. He had 24 cupcakes. 9 kids ate one each, and the rest ate 2 each. How many cupcakes were left for him?
4.	Teacher Becky has 21 students in her class. She Has 45 peppermints. If she gives one to each student, and eats 1 herself, how many does she have left over?
5.	Joan and 4 friends went to the candy store. They brought 24 candies, and each ate 2. How many candies where left over?

Read each word problem carefully. After solving the equation,
Write your answer on the line.

Melissa read 296 pages in her favorite book. The book has 354 pages altogether. How many pages does Melissa have left to read?	_____ pages
The zoo s 115 miles from Jacob's house. Jacob has already traveled 39 miles. How many more miles until Jacob arrives at the zoo?	_____ miles
For the Bake Fair, Jenna made 500 chocolate chip cookies. She also made 345 oatmeal cookies. How many more chocolate chip cookies than oatmeal cookies did she make?	_____ cookies
Jack paid $612 for a computer and a camera. The camera cost $59. How much did the computer cost?	_____ dollars

Benjamin weights 50 pounds. Clarence weighs 42 pounds. How much heavier is Benjamin than Clarence?

Christine has 85 stickers. Jason takes 83 away. How many stickers will Christine have?

Jesse has 84 pencils. 5 are eaten by a hippopotamus. How many pencils will Jesse have?

Aaron has 9 peanuts. Doris gives Aaron 78 more. How many peanuts does Aaron have in all?

Albert collects 4 marbles. Albert's father gives Albert 47 more. How many marbles does Albert have?

Stephen has 64 peanuts. He gets 7 more from Kathleen. How many peanuts does Stephen have in all?

Antonio has 74 tickets. 63 are eaten by a hippopotamus. How many tickets will Antonio have?

There are 82 eggs in a box. Elizabeth takes 3 eggs. How many are left?

Anthony has 99 marbles. He buys 4 more. How many marbles does Anthony have in all?

Fred weighs 94 pounds. Brian weighs 9 pounds. How much heavier is Fred than Brian?

Bridget has 9 crayons. Joan has 86 crayons. If Joan gives all of her crayons to Bridget, how many crayons will Bridget have?

There are 7 crayons in a box. Judith takes 4 crayons. How many are left?

Shawn collects 6 erasers. Shawn's father gives Shawn 96 more. How many erasers does Shawn have?

If there are 14 erasers in a box and Roy puts 4 more erasers inside, how many erasers are in the box?

There are 28 oranges in a box. Melissa takes 25 oranges. How many are left?

Marvin has 5 bananas. Carol has 16 bananas. If Carol gives all of her bananas to Marvin, how many bananas will Marvin have?

Gregory has 23 eggs. He buys 6 more. How many eggs does Gregory have in all?

Gregory weighs 61 pounds. Robert weighs 3 pounds. How much heavier is Gregory than Robert?

Harry stats with 81 candies Barbara takes 57 away. How many candies does Harry end with?

Virginia removes 42 marbles from a jar. There were originally 42 marbles in the jar. How many marbles are left in the jar?

Andrew has 70 bottle caps. He gives 6 to Diane. How many bottle caps will Andrew have?

Janice has 39 candies. 15 are eaten by a hippopotamus. How many candies will Janice have?

James has 6 tickets. Donald has 89 tickets. If Donald gives all of his tickets to James, how many tickets will James have?

Evelyn has 17 marbles. She gives 2to Keith. How many marbles will Evelyn have?

Helen has 44 bananas. Douglas has 4 bananas. If Douglas gives all of his bananas to Helen, how many bananas will Helen have?

Randy has 63 peanuts. Lisa takes 19 away. How many peanuts will Randy have?

Benjamin has 84 marbles. 56 are eaten by a hippopotamus. How many marbles will Benjamin have?

There are 58 peanuts in a box. Amy takes 32 peanuts. How many are left?

Jennifer removes 33 bottle caps from a jar. There were originally 84 bottle caps in the jar. How many bottle caps are left in the jar?

Louise has 36 stickers. Randy gives Louise 8 more. How many stickers does Louise have in all?

Scott has 8 stickers. Carl has 88 stickers. If Carl gives all of his stickers to Scott, how many stickers will Scott have?

Shawn has 92 bananas. 8 are eaten by a hippopotamus. How many bananas will Shawn have?

Virginia has 59 blocks. She gives 19 to Joshua. How many blocks will Virginia have?

Annie starts with 31 apples. She gives 5 to Randy. How many apples does Annie end with?

Craig starts with 5 stickers. He finds another 27. How many stickers does Craig end with?

There are 61 cards. 7 cards more are added. How many are there total?

Harry has 26 marbles. 15 are eaten by a hippopotamus. How many marbles will Harry have?

Howard has 87 oranges. He shares 58 with Cynthia. How many oranges will Howard have?

Alan weighs 64 pounds. Betty weighs 45 pounds. How much heavier is Alan than Betty?

There are 94 bottle caps in a box. Wayne takes 25 bottle caps. How many are left?