

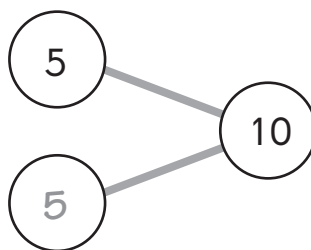
CHAPTER
4

Subtraction up to 10,000

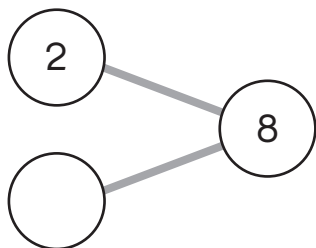
Worksheet 1 Subtraction Without Regrouping

Complete each number bond.

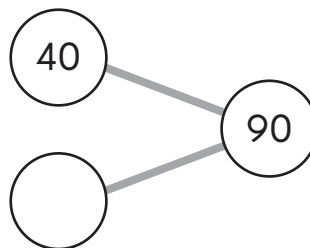
Example



1.



2.



Fill in the blanks.

Example

$$7 \text{ ones} - 3 \text{ ones} = \underline{4} \text{ ones}$$

3. $9 \text{ ones} - 5 \text{ ones} = \underline{\hspace{2cm}} \text{ ones}$

4. $8 \text{ tens} - 3 \text{ tens} = \underline{\hspace{2cm}} \text{ tens}$

5. $6 \text{ tens} - 2 \text{ tens} = \underline{\hspace{2cm}} \text{ tens}$

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6. 5 hundreds - 3 hundreds = _____ hundreds

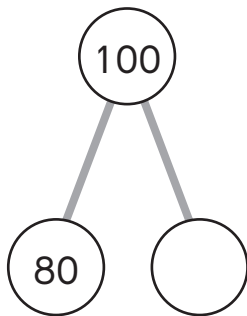
7. 8 hundreds - 5 hundreds = _____ hundreds

8. 9 hundreds - 4 hundreds = _____ hundreds

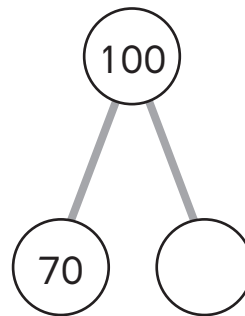
9. 7 hundreds - 5 hundreds = _____ hundreds

Find the difference. Use number bonds to help you.

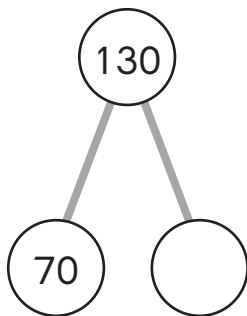
10. $100 - 80 =$ _____



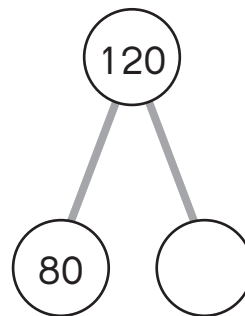
11. $100 - 70 =$ _____



12. $130 - 70 =$ _____



13. $120 - 80 =$ _____



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Subtract.

$$\begin{array}{r} 14. \quad 82 \\ - 11 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 79 \\ - 48 \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad 278 \\ - 164 \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad 485 \\ - 173 \\ \hline \end{array}$$

Subtract.*Example*

$$\begin{array}{r} 3,498 \\ - \quad 54 \\ \hline 3,444 \end{array}$$

$$\begin{array}{r} 18. \quad 5,576 \\ - \quad 32 \\ \hline \end{array}$$

$$\begin{array}{r} 19. \quad 7,869 \\ - 1,543 \\ \hline \end{array}$$

$$\begin{array}{r} 20. \quad 4,907 \\ - 1,504 \\ \hline \end{array}$$

$$\begin{array}{r} 21. \quad 9,478 \\ - 5,353 \\ \hline \end{array}$$

$$\begin{array}{r} 22. \quad 7,865 \\ - 3,412 \\ \hline \end{array}$$

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Subtract.

Example

$$\begin{array}{r} 7, 6 8 4 \\ - 2, 4 5 1 \\ \hline 5, 2 3 3 \end{array}$$

23.

$$\begin{array}{r} 5, 6 9 7 \\ - 4, 3 5 2 \\ \hline \end{array}$$

24.

$$\begin{array}{r} 3, 9 8 7 \\ - 1, 7 5 2 \\ \hline \end{array}$$

25.

$$\begin{array}{r} 5, 3 8 5 \\ - 1, 2 3 4 \\ \hline \end{array}$$

26.

$$\begin{array}{r} 7, 0 8 6 \\ - 3, 0 4 3 \\ \hline \end{array}$$

27.

$$\begin{array}{r} 8, 7 6 9 \\ - 2, 3 4 4 \\ \hline \end{array}$$

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Worksheet 2 Subtraction with Regrouping in Hundreds and Thousands

Fill in the blanks.

Example

$$8 \text{ tens } 0 \text{ ones} = 7 \text{ tens } \underline{10} \text{ ones}$$

- 6 tens 0 ones = 5 tens _____ ones
- 4 tens 5 ones = 3 tens _____ ones
- 3 tens 7 ones = _____ tens 17 ones
- 5 thousands = 4 thousands _____ hundreds
- 2 thousands = _____ thousand 10 hundreds
- 4 thousands 3 hundreds = _____ thousands 13 hundreds
- 8 thousands 2 hundreds = 7 thousands _____ hundreds

Subtract.

- | | | | |
|-----|--------------------|-----|--------------------|
| 8. | $70 - 10 =$ _____ | 9. | $90 - 10 =$ _____ |
| 10. | $100 - 60 =$ _____ | 11. | $100 - 80 =$ _____ |

Subtract.

Example

$$\begin{array}{r}
 \boxed{3} \quad \boxed{10} \\
 \cancel{4}, \quad \cancel{0} \quad 0 \quad 0 \\
 - \quad 2, \quad 5 \quad 0 \quad 0 \\
 \hline
 1, \quad 5 \quad 0 \quad 0
 \end{array}$$

5 hundreds cannot be subtracted from 0 hundreds. So, **regroup** the thousands and hundreds.
 4 thousands = 3 thousands 10 hundreds



12.

$$\begin{array}{r}
 \square \quad \square \\
 \cancel{8}, \quad 0 \quad 0 \quad 0 \\
 - \quad 3, \quad 7 \quad 0 \quad 0 \\
 \hline
 \end{array}$$

6 thousands = ____ thousands ____ hundreds

____ hundreds - 7 hundreds = ____ hundreds

____ thousands - 3 thousands = ____ thousands

13.

$$\begin{array}{r}
 \square \quad \square \\
 \cancel{2}, \quad 0 \quad 0 \quad 0 \\
 - \quad 1, \quad 4 \quad 0 \quad 0 \\
 \hline
 \end{array}$$

2 thousands = ____ thousands ____ hundreds

____ hundreds - 4 hundreds = ____ hundreds

____ thousand - 1 thousand = ____ thousands

14.

$$\begin{array}{r}
 \square \quad \square \\
 \cancel{8}, \quad 0 \quad 0 \quad 0 \\
 - \quad 5, \quad 6 \quad 0 \quad 0 \\
 \hline
 \end{array}$$

8 thousands = ____ thousands ____ hundreds

____ hundreds - 6 hundreds = ____ hundreds

____ thousands - 5 thousands = ____ thousands

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Subtract.*Example*

Step 1 $5 \text{ ones} - 2 \text{ ones} = \underline{3} \text{ ones}$

Step 2 $7 \text{ tens} - 3 \text{ tens} = \underline{4} \text{ tens}$

| | | | | | | | |
|-----|--------------|---|--------------|--|--|---|---|
| | 3 | , | 12 | | | | |
| | 4 | | 2 | | | | |
| $-$ | 2 | | 9 | | | 3 | 2 |
| | 1 | | 3 | | | 4 | 3 |

9 hundreds cannot be subtracted from 2 hundreds. So, **regroup** the thousands and hundreds.



Step 3 $4 \text{ thousands } 2 \text{ hundreds}$
 $= \underline{3} \text{ thousands } \underline{12} \text{ hundreds}$

Step 4 $12 \text{ hundreds} - 9 \text{ hundreds}$
 $= \underline{3} \text{ hundreds}$

Step 5 $3 \text{ thousands} - 2 \text{ thousands}$
 $= \underline{1} \text{ thousand}$

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15.

$$\begin{array}{r}
 \square \quad \square \\
 \cancel{5}, \quad 6 \quad 7 \quad 4 \\
 - \quad 1, \quad 8 \quad 4 \quad 1 \\
 \hline
 \end{array}$$

Step 1 $4 \text{ ones} - 1 \text{ one} = \underline{\quad} \text{ ones}$

Step 2 $7 \text{ tens} - 4 \text{ tens} = \underline{\quad} \text{ tens}$

8 hundreds cannot be subtracted from 6 hundreds. So, regroup the thousands and hundreds.

Step 3 $5 \text{ thousands } 6 \text{ hundreds}$
 $= \underline{\quad} \text{ thousands } \underline{\quad} \text{ hundreds}$

Step 4 $\underline{\quad} \text{ hundreds} - 8 \text{ hundreds}$
 $= \underline{\quad} \text{ hundreds}$

Step 5 $\underline{\quad} \text{ thousands} - 1 \text{ thousand}$
 $= \underline{\quad} \text{ thousands}$

16.

$$\begin{array}{r}
 \square \quad \square \\
 \cancel{6}, \quad 8 \quad 9 \quad 7 \\
 - \quad 3, \quad 9 \quad 0 \quad 4 \\
 \hline
 \end{array}$$

Step 1 $7 \text{ ones} - 4 \text{ ones} = \underline{\quad} \text{ ones}$

Step 2 $9 \text{ tens} - 0 \text{ tens} = \underline{\quad} \text{ tens}$

9 hundreds cannot be subtracted from 8 hundreds. So, regroup the thousands and hundreds.

Step 3 $6 \text{ thousands } 8 \text{ hundreds}$
 $= \underline{\quad} \text{ thousands } \underline{\quad} \text{ hundreds}$

Step 4 $\underline{\quad} \text{ hundreds} - 9 \text{ hundreds}$
 $= \underline{\quad} \text{ hundreds}$

Step 5 $\underline{\quad} \text{ thousands} - 3 \text{ thousands}$
 $= \underline{\quad} \text{ thousands}$

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Worksheet 3 Subtraction with Regrouping in Ones, Tens, Hundreds, and Thousands

Fill in the blanks.

Example

2 thousands 3 hundreds 5 tens 7 ones

= 2 thousands 3 hundreds 4 tens 17 ones

1. 4 thousands 2 hundreds 7 tens 3 ones
= 4 thousands 2 hundreds 6 tens _____ ones
2. 3 thousands 5 hundreds 8 tens 6 ones
= 3 thousands 4 hundreds _____ tens 6 ones
3. 8 thousands 2 hundreds 7 tens 5 ones
= 8 thousands _____ hundred 17 tens 5 ones
4. 7 thousands 6 hundreds 3 tens 2 ones
= 6 thousands _____ hundreds 3 tens 2 ones
5. 6 thousands 7 hundreds 2 tens 4 ones
= _____ thousands 17 hundreds 2 tens 4 ones

Subtract.

Example

$$\begin{array}{r}
 7 \overset{\boxed{5}}{\cancel{0}} \overset{\boxed{12}}{\cancel{2}} \\
 - 1, 7 \phantom{\cancel{0}} \phantom{\cancel{2}} \\
 \hline
 7 \phantom{\cancel{0}} \phantom{\cancel{2}} \\
 1 \phantom{\cancel{0}} \phantom{\cancel{2}}
 \end{array}$$

8 ones cannot be subtracted from 2 ones. So, regroup the tens and the ones.



6.

$$\begin{array}{r}
 6 \overset{\boxed{}}{\cancel{7}} \overset{\boxed{}}{\cancel{0}} \\
 - 1, 4 \phantom{\cancel{7}} \phantom{\cancel{0}} \\
 \hline
 6 \phantom{\cancel{7}} \phantom{\cancel{0}} \\
 1 \phantom{\cancel{7}} \phantom{\cancel{0}}
 \end{array}$$

Step 1 7 tens 0 ones = ____ tens ____ ones

Step 2 ____ ones - 8 ones = ____ ones

Step 3 ____ tens - 5 tens = ____ ten

Step 4 6 hundreds - 4 hundreds
= ____ hundreds

Step 5 2 thousands - 1 thousand
= ____ thousand

7.

$$\begin{array}{r}
 5 \overset{\boxed{}}{\cancel{6}} \overset{\boxed{}}{\cancel{2}} \\
 - 2, 1 \phantom{\cancel{6}} \phantom{\cancel{2}} \\
 \hline
 5 \phantom{\cancel{6}} \phantom{\cancel{2}} \\
 1 \phantom{\cancel{6}} \phantom{\cancel{2}}
 \end{array}$$

Step 1 6 tens 2 ones = ____ tens ____ ones

Step 2 ____ ones - 8 ones = ____ ones

Step 3 ____ tens - 3 tens = ____ tens

Step 4 5 hundreds - 1 hundred
= ____ hundreds

Step 5 4 thousands - 2 thousand
= ____ thousands

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Subtract.

Example

$$\begin{array}{r}
 \textcircled{5} \quad \textcircled{14} \\
 3, \quad \cancel{6} \quad \cancel{4} \quad 8 \\
 - 1, \quad 2 \quad 9 \quad 6 \\
 \hline
 2 \quad 3 \quad 5 \quad 2
 \end{array}$$

Step 1 $8 \text{ ones} - 6 \text{ ones} = \underline{2} \text{ ones}$

Step 2 $6 \text{ hundreds } 4 \text{ tens}$
 $= \underline{5} \text{ hundreds } \underline{14} \text{ tens}$

Step 3 $\underline{14} \text{ tens} - 9 \text{ tens} = \underline{5} \text{ tens}$

Step 4 $\underline{5} \text{ hundreds} - 2 \text{ hundreds}$
 $= \underline{3} \text{ hundreds}$

Step 5 $3 \text{ thousands} - 1 \text{ thousand}$
 $= \underline{2 \text{ thousands}}$

8.

$$\begin{array}{r}
 \quad \quad \square \quad \square \\
 3, \quad \cancel{5} \quad \cancel{4} \quad 8 \\
 - 2, \quad 1 \quad 7 \quad 5 \\
 \hline
 \end{array}$$

Step 1 $8 \text{ ones} - 5 \text{ ones} = \underline{\quad} \text{ ones}$

Step 2 $5 \text{ hundreds } 4 \text{ tens}$
 $= \underline{\quad} \text{ hundreds } \underline{\quad} \text{ tens}$

Step 3 $\underline{\quad} \text{ tens} - 7 \text{ tens} = \underline{\quad} \text{ tens}$

Step 4 $\underline{\quad} \text{ hundreds} - 1 \text{ hundred}$
 $= \underline{\quad} \text{ hundreds}$

Step 5 $3 \text{ thousands} - 2 \text{ thousands}$
 $= \underline{\quad} \text{ thousand}$

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9.

$$\begin{array}{r} \square \quad \square \\ 5, \quad \cancel{8} \quad \cancel{2} \quad 7 \\ - 2, \quad 3 \quad 7 \quad 6 \\ \hline \end{array}$$

Step 1 $7 \text{ ones} - 6 \text{ ones} = \underline{\quad} \text{ one}$

Step 2 $8 \text{ hundreds } 3 \text{ tens}$
 $= \underline{\quad} \text{ hundreds } \underline{\quad} \text{ tens}$

Step 3 $\underline{\quad} \text{ tens} - 7 \text{ tens} = \underline{\quad} \text{ tens}$

Step 4 $\underline{\quad} \text{ hundreds} - 3 \text{ hundreds}$
 $= \underline{\quad} \text{ hundreds}$

Step 5 $5 \text{ thousands} - 2 \text{ thousands}$
 $= \underline{\quad} \text{ thousands}$

10.

$$\begin{array}{r} \square \quad \square \\ 7, \quad \cancel{4} \quad \cancel{2} \quad 8 \\ - 5, \quad 3 \quad 6 \quad 4 \\ \hline \end{array}$$

Step 1 $8 \text{ ones} - 4 \text{ ones} = \underline{\quad} \text{ ones}$

Step 2 $4 \text{ hundreds } 2 \text{ tens}$
 $= \underline{\quad} \text{ hundreds } \underline{\quad} \text{ tens}$

Step 3 $\underline{\quad} \text{ tens} - 6 \text{ tens} = \underline{\quad} \text{ tens}$

Step 4 $\underline{\quad} \text{ hundreds} - 3 \text{ hundreds}$
 $= \underline{\quad} \text{ hundreds}$

Step 5 $7 \text{ thousands} - 5 \text{ thousands}$
 $= \underline{\quad} \text{ thousands}$

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Subtract.

Example

$$\begin{array}{r}
 \textcircled{3} \quad \textcircled{12} \\
 \cancel{4}, \quad \cancel{2} \quad 5 \quad 8 \\
 - \quad 1, \quad 9 \quad 3 \quad 5 \\
 \hline
 2, \quad 3 \quad 2 \quad 3
 \end{array}$$

9 hundreds cannot be subtracted from 2 hundreds. So, regroup the thousands and the hundreds.



11.

$$\begin{array}{r}
 \square \quad \square \\
 \cancel{5}, \quad \cancel{3} \quad 8 \quad 7 \\
 - \quad 2, \quad 6 \quad 3 \quad 4 \\
 \hline
 \end{array}$$

Step 1 $7 \text{ ones} - 4 \text{ ones} = \underline{\quad} \text{ ones}$

Step 2 $8 \text{ tens} - 3 \text{ tens} = \underline{\quad} \text{ tens}$

Step 3 $5 \text{ thousands } 3 \text{ hundreds}$
 $= \underline{\quad} \text{ thousands } \underline{\quad} \text{ hundreds}$

Step 4 $\underline{\quad} \text{ hundreds} - 6 \text{ hundreds}$
 $= \underline{\quad} \text{ hundreds}$

Step 5 $\underline{\quad} \text{ thousands} - 2 \text{ thousands}$
 $= \underline{\quad} \text{ thousands}$

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12.

$$\begin{array}{r} \square \quad \square \\ \cancel{8}, \quad \cancel{4} \quad 9 \quad 5 \\ - \quad 3, \quad 7 \quad 3 \quad 2 \\ \hline \end{array}$$

Step 1 $5 \text{ ones} - 2 \text{ ones} = \underline{\quad} \text{ ones}$

Step 2 $9 \text{ tens} - 3 \text{ tens} = \underline{\quad} \text{ tens}$

Step 3 $8 \text{ thousands } 4 \text{ hundreds}$
 $= \underline{\quad} \text{ thousands } \underline{\quad} \text{ hundreds}$

Step 4 $\underline{\quad} \text{ hundreds} - 7 \text{ hundreds}$
 $= \underline{\quad} \text{ hundreds}$

Step 5 $\underline{\quad} \text{ thousands} - 3 \text{ thousands}$
 $= \underline{\quad} \text{ thousands}$

13.

$$\begin{array}{r} \square \quad \square \\ \cancel{7} \quad \cancel{5} \quad 7 \quad 4 \\ - \quad 5, \quad 6 \quad 6 \quad 2 \\ \hline \end{array}$$

Step 1 $4 \text{ ones} - 2 \text{ ones} = \underline{\quad} \text{ ones}$

Step 2 $7 \text{ tens} - 6 \text{ tens} = \underline{\quad} \text{ ten}$

Step 3 $7 \text{ thousands } 5 \text{ hundreds}$
 $= \underline{\quad} \text{ thousands } \underline{\quad} \text{ hundreds}$

Step 4 $\underline{\quad} \text{ hundreds} - 6 \text{ hundreds}$
 $= \underline{\quad} \text{ hundreds}$

Step 5 $\underline{\quad} \text{ thousands} - 5 \text{ thousands}$
 $= \underline{\quad} \text{ thousand}$

Worksheet 4 Subtraction Across Zeros

Subtract.

Example

$$\begin{array}{r}
 \\
 \\
 \\
 \\
 \hline
 6,000 - 3,267 \\
 \hline
 2,733
 \end{array}$$

6 thousands 0 hundreds = 5 thousands 10 hundreds
 10 hundreds 0 tens = 9 hundreds 10 tens
 10 tens 0 ones = 9 tens 10 ones



1.

$$\begin{array}{r}
 \\
 \\
 \\
 \hline
 5,000 - 2,495 \\
 \hline

 \end{array}$$

Step 1 5 thousands 0 hundreds
 = ___ thousands ___ hundreds

Step 2 ___ hundreds 0 tens
 = ___ hundreds ___ tens

Step 3 ___ tens 0 ones
 = ___ tens ___ ones

Step 4 ___ ones - 5 ones = ___ ones

Step 5 ___ tens - 9 tens = ___ tens

Step 6 ___ hundreds - 4 hundreds
 = ___ hundreds

Step 7 ___ thousands - 2 thousands
 = ___ thousands

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2.

| | | | | |
|---|----|---|---|---|
| | | □ | □ | |
| | | □ | □ | |
| | □ | □ | | |
| | 7, | ∅ | ∅ | ∅ |
| - | 4, | 1 | 2 | 6 |
| | | | | |

Step 1 7 thousands 0 hundreds
= ___ thousands ___ hundreds

Step 2 ___ hundreds 0 tens
= ___ hundreds ___ tens

Step 3 ___ tens 0 ones
= ___ tens ___ ones

Step 4 ___ ones - 6 ones = ___ ones

Step 5 ___ tens - 2 tens = ___ tens

Step 6 ___ hundreds - 1 hundred
= ___ hundreds

Step 7 ___ thousands - 4 thousands
= ___ thousands

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Find each missing digit. Use number bonds to help you.

Example

$$\begin{array}{r} 8 \quad 4 \\ - \quad 5 \quad 1 \\ \hline 3 \quad 3 \end{array}$$

3.

$$\begin{array}{r} 9 \quad \square \\ - \quad \square \quad 5 \\ \hline 4 \quad 1 \end{array}$$

4.

$$\begin{array}{r} \square \quad 6 \quad 7 \\ - \quad 6 \quad 4 \quad 9 \\ \hline 2 \quad 1 \quad \square \end{array}$$

5.

$$\begin{array}{r} 1, \quad 0 \quad 1 \quad \square \\ - \quad \quad 7 \quad \square \quad 6 \\ \hline \quad 2 \quad 3 \quad 7 \end{array}$$

Find the missing digits.

Example

$$\begin{array}{r} 4, \quad 7 \quad 8 \quad 9 \\ - \quad 1, \quad 5 \quad 5 \quad 2 \\ \hline 3, \quad 2 \quad 3 \quad 7 \end{array}$$

6.

$$\begin{array}{r} 8, \quad \square \quad 7 \quad 2 \\ - \quad 3, \quad 4 \quad \square \quad 9 \\ \hline \square, \quad 7 \quad 4 \quad 3 \end{array}$$

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Solve. Show your work.

Example

Florist A sold 1,000 stalks of tulips on Saturday.

Florist B sold 125 stalks fewer than Florist A.

How many stalks of tulips did Florist B sell on Saturday?

$$1,000 - 125 = 875$$

Florist B sold 875 stalks of tulips on Saturday.

- 7.** A factory produces 8,000 loaves of bread and 6,800 buns a day.
How many more loaves of bread than buns does the factory produce in a day?