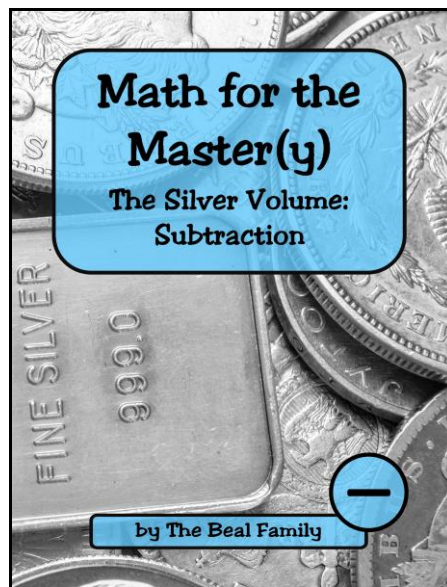


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Math for the Master(y)

The Silver Volume: Subtraction



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Lesson 1

Copy the definition and the sample problems with their labels.

To subtract: to take away the value of one number from another

$$\begin{array}{r} 59 \text{ minuend} \\ - 21 \text{ subtrahend} \\ \hline 38 \text{ difference} \end{array}$$

$$\begin{array}{r} 59 \\ - 21 \\ \hline 38 \end{array} =$$

minuend subtrahend difference

Repeat this lesson as many days as necessary. Child should be able to accurately recite the definition and name the parts of a subtraction problem correctly without the book before advancing to the next lesson.

Lesson 18

Subtract. Write answers only.

1. $\begin{array}{r} 16 \\ - 7 \\ \hline \end{array}$ $\begin{array}{r} 6 \\ - 6 \\ \hline \end{array}$ $\begin{array}{r} 7 \\ - 6 \\ \hline \end{array}$ $\begin{array}{r} 10 \\ - 6 \\ \hline \end{array}$ $\begin{array}{r} 7 \\ - 7 \\ \hline \end{array}$

2. $\begin{array}{r} 13 \\ - 7 \\ \hline \end{array}$ $\begin{array}{r} 8 \\ - 7 \\ \hline \end{array}$ $\begin{array}{r} 15 \\ - 6 \\ \hline \end{array}$ $\begin{array}{r} 13 \\ - 6 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ - 7 \\ \hline \end{array}$

3. $\begin{array}{r} 11 \\ - 7 \\ \hline \end{array}$ $\begin{array}{r} 8 \\ - 6 \\ \hline \end{array}$ $\begin{array}{r} 12 \\ - 7 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ - 6 \\ \hline \end{array}$ $\begin{array}{r} 14 \\ - 7 \\ \hline \end{array}$

4. $\begin{array}{r} 14 \\ - 6 \\ \hline \end{array}$ $\begin{array}{r} 12 \\ - 6 \\ \hline \end{array}$ $\begin{array}{r} 15 \\ - 7 \\ \hline \end{array}$ $\begin{array}{r} 10 \\ - 7 \\ \hline \end{array}$ $\begin{array}{r} 11 \\ - 6 \\ \hline \end{array}$

Repeat this lesson as many days as necessary. Child should be able to write the correct answers before advancing to the next lesson.

Lesson 31

To subtract a one-digit number from a two-digit number, find the difference of the digits on the right and bring down the digit on the left.

Example:
$$\begin{array}{r} 48 \\ - 3 \\ \hline 45 \end{array}$$

step 1: Subtract 3 from 8.
step 2: Write 5.
step 3: Bring down the 4.

Copy and subtract.

1.
$$\begin{array}{r} 86 \\ - 0 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ - 4 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 35 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 99 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ - 9 \\ \hline \end{array}$$

Repeat this lesson as many days as necessary. Child should be able to solve the problems correctly before advancing to the next lesson.

Lesson 48

Sometimes you will need to borrow more than once in a problem.

Example: 863 step 1: Try to subtract 9 from 3.

$$\begin{array}{r} 863 \\ -179 \\ \hline \end{array}$$

step 2: Realize you cannot.

step 3: Borrow 10 from the middle column (show by crossing out the 6 and replacing it with 5).

$$\begin{array}{r} 8\overset{5}{\cancel{6}}3 \\ -179 \\ \hline \end{array}$$

step 4: Add the 10 to the 3 at the top of the right column (show by writing a 1 to the left of the 3 to make it 13).

$$\begin{array}{r} 8\overset{5}{\cancel{6}}\overset{1}{3} \\ -179 \\ \hline \end{array}$$

step 5: Subtract 9 from 13.

step 6: Write 4.

$$\begin{array}{r} 8\overset{5}{\cancel{6}}\overset{1}{3} \\ -179 \\ \hline 4 \end{array}$$

step 7: Try to subtract 7 from 5.

step 8: Realize you cannot.

step 9: Borrow 10 from the leftmost column (show by crossing out the 8 and replacing it with 7).

$$\begin{array}{r} \overset{7}{\cancel{8}}\overset{5}{\cancel{6}}\overset{1}{3} \\ -179 \\ \hline 4 \end{array}$$

Continued on the next page.

Lesson 48 Continued

$$\begin{array}{r}
 7^1 5 \\
 \cancel{8} \cancel{0}^1 3 \\
 - 179 \\
 \hline
 684
 \end{array}$$

step 10: Add the 10 to the 5 at the top of the middle column (show by writing a 1 to the left of the 5 to make it 15).
 step 11: Subtract 7 from 15.
 step 12: Write 8.
 step 13: Subtract 1 from 7.
 step 14: Write 6.

Copy and subtract.

1.

616	862	941
- 398	- 686	- 498

2.

241	750	657
- 163	- 156	- 288

Repeat this lesson as many days as necessary. Child should be able to solve the problems correctly before advancing to the next lesson.

Lesson 66

Copy and add or subtract.

1.	$\begin{array}{r} 4,877 \\ + 7,591 \\ \hline \end{array}$	$\begin{array}{r} 5,856 \\ + 3,147 \\ \hline \end{array}$	$\begin{array}{r} 5,166 \\ + 7,325 \\ \hline \end{array}$	$\begin{array}{r} 8,003 \\ - 3,465 \\ \hline \end{array}$
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2.	$\begin{array}{r} 8,329 \\ - 5,836 \\ \hline \end{array}$	$\begin{array}{r} 9,188 \\ + 6,526 \\ \hline \end{array}$	$\begin{array}{r} 6,151 \\ - 5,690 \\ \hline \end{array}$	$\begin{array}{r} 8,255 \\ - 5,627 \\ \hline \end{array}$
----	---	---	---	---

3.	$\begin{array}{r} 9,866 \\ + 3,461 \\ \hline \end{array}$	$\begin{array}{r} 3,264 \\ + 4,068 \\ \hline \end{array}$	$\begin{array}{r} 9,533 \\ - 1,826 \\ \hline \end{array}$	$\begin{array}{r} 2,362 \\ + 3,709 \\ \hline \end{array}$
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4.	$\begin{array}{r} 3,405 \\ - 1,414 \\ \hline \end{array}$	$\begin{array}{r} 3,000 \\ - 1,927 \\ \hline \end{array}$	$\begin{array}{r} 2,560 \\ + 5,599 \\ \hline \end{array}$	$\begin{array}{r} 9,555 \\ - 5,679 \\ \hline \end{array}$
----	---	---	---	---

Repeat this lesson as many days as necessary. Child should be able to solve the problems correctly before advancing to the next lesson.

Lesson 78

One way to check your answer to a subtraction problem is to add the problem upwards.

Example:

$$\begin{array}{r} 7,489 \\ - 5,016 \\ \hline 2,473 \end{array}$$

step 1: Subtract and write the answer.

step 2: Starting at the right, add each digit of the answer to the digit directly above it (3+6, 7+1, etc.). The result for each should be the digit at the top of that column.

step 3: If the answer matches all the way across, put a checkmark beside your problem and go on.

step 4: If the answer does not match, redo the problem and recheck.

Copy and subtract. Check by adding upwards.

1.	$\begin{array}{r} 8,196 \\ - 1,025 \\ \hline \end{array}$	$\begin{array}{r} 8,805 \\ - 6,502 \\ \hline \end{array}$	$\begin{array}{r} 9,971 \\ - 7,661 \\ \hline \end{array}$	$\begin{array}{r} 5,665 \\ - 2,143 \\ \hline \end{array}$
----	---	---	---	---

Repeat this lesson as many days as necessary. Child should be able to solve the problems correctly before advancing to the next lesson.

Key pages for **Math for the Master(y)** are full-size (like student lessons) and include answers in bold.

Lesson 18

Subtract. Write answers only.

$$\begin{array}{r} 1. \quad 16 \quad 6 \quad 7 \quad 10 \quad 7 \\ \quad - 7 \quad - 6 \quad - 6 \quad - 6 \quad - 7 \\ \hline \quad \mathbf{9} \quad \mathbf{0} \quad \mathbf{1} \quad \mathbf{4} \quad \mathbf{0} \end{array}$$

$$\begin{array}{r} 2. \quad 13 \quad 8 \quad 15 \quad 13 \quad 9 \\ \quad - 7 \quad - 7 \quad - 6 \quad - 6 \quad - 7 \\ \hline \quad \mathbf{6} \quad \mathbf{1} \quad \mathbf{9} \quad \mathbf{7} \quad \mathbf{2} \end{array}$$

$$\begin{array}{r} 3. \quad 11 \quad 8 \quad 12 \quad 9 \quad 14 \\ \quad - 7 \quad - 6 \quad - 7 \quad - 6 \quad - 7 \\ \hline \quad \mathbf{4} \quad \mathbf{2} \quad \mathbf{5} \quad \mathbf{3} \quad \mathbf{7} \end{array}$$

$$\begin{array}{r} 4. \quad 14 \quad 12 \quad 15 \quad 10 \quad 11 \\ \quad - 6 \quad - 6 \quad - 7 \quad - 7 \quad - 6 \\ \hline \quad \mathbf{8} \quad \mathbf{6} \quad \mathbf{8} \quad \mathbf{3} \quad \mathbf{5} \end{array}$$

Repeat this lesson as many days as necessary. Child should be able to write the correct answers before advancing to the next lesson.